# **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



62.13

□ 1944 1

FEB 1 0 1944 &



DESCRIPTIVE LIST OF

# VEGETABLE Varieties



F.H.WOODRUFF & SONS INC. MILFORD, CONN., U.S.A.



# Woodruff's Descriptive List

This, our first wholly descriptive catalog, has been prepared to give our dealers and customers access to accurate comparative information concerning the many varieties of vegetables predominantly in demand at the present time. It makes no effort to catalog all the known varieties either of the past or present. As can be seen from the appended list of reference material consulted we have pooled our own trials and breeding experience with that of others to more exactly delineate the various small differences existing among many varieties.

When new varieties have made this information out of date, we expect to make necessary revisions in later editions. At no time do we expect to include in this list novelty varieties which will have no useful place in a descriptive list of vegetables.

Maturity dates noted in this list are the average number of days from seed planting to crop harvest in marketable or canning stage for all those varieties which are usually grown directly from seed. In the case of brussels sprouts, cabbage, cauliflower, celery, eggplant, pepper and tomato, the maturity dates show time from setting of plants in the field to crop harvest.

Those varieties which have received recognition in the All America Trials are designated by ALFAMERICA AND ALFAMERICA AND ALFAMERICA AND ALFAMERICA Trials are used for the types of awards given by the All America Trials judges:

GM-Gold Medal

SM—Silver Medal HM—Honorable Mention BM—Bronze Medal

The following references were freely consulted in checking our own trial results for type and maturity:

Boswell, Victor R.; W. C. Edmundson, et al. 1934. Descriptions of types of principal American varieties of cabbage. U. S. Dept. Agr. Misc. Pub. 169.

—; Oscar H. Pearson, et al. 1933. Descriptions of types of principal American varieties of tomatoes. U. S. Dept. Agr. Misc. Pub. 160.

Hedrick, U. P.; F. H. Hall, et al. 1928. The vegetables of New York. vol. 1, part. 1. Peas.—; W. T. Tapley, et al. 1931. The vegetables of New York. vol. 1, part. 2. Beans. Kraus, James E. 1940. Chinese Cabbage varieties, their classification, description, and culture in the Central Great Plains. U. S. Dept. Agr. Circ. 571.

Mag uder, Roy; Victor R. Boswell, et al. 1940. Descriptions of types of principal American varieties of orange-fleshed carrots. U. S. Dept. Agr. Misc. Pub. 361.

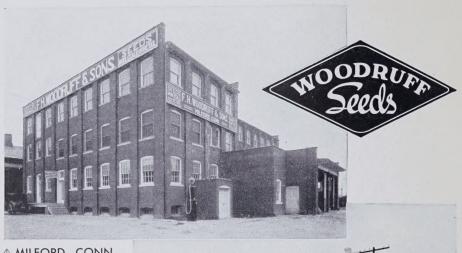
;——. 1940. Descriptions of types of principal American varieites of red garden beets. U. S. Dept. Agr. Misc. Pub. 374.

\_\_\_\_\_\_\_\_. 1938. Descriptions of types of principal American varieties of spinach. U. S. Dept. Agr. Misc. Pub. 316.

; R. E. Webster, et al. 1941. Descriptions of types of principal American varieties of onions. U. S. Dept. Agr. Misc. Pub. 435.

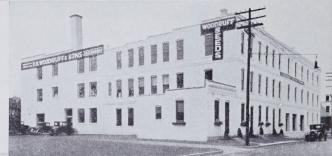
Shoemaker, D. N.; E. J. Delwiche, et al. 1934. Descriptions of types of principal American varieties of garden peas. U. S. Dept. Agr. Misc. Pub. 170.

Tapley, William T.; Walter D. Enzie, and Glen P. Van Eseltine. 1934. The vegetables of New York. vol. 1, part 3. Sweet Corn.

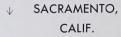


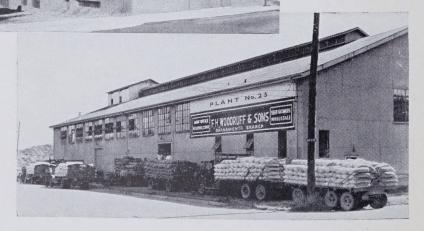
↑ MILFORD, CONN.

TOLEDO, OHIO →



ATLANTA, GA.





### ARTICHOKE

Cynara scolymus

**GREEN GLOBE (PARIS)** 

Grown for edible flower buds. Perennial, producing first buds the second year from seed; flower buds large, globular, bud scales dark green and very fleshy at base. Not to be mistaken for the tuberous types of artichokes:—GIRASOLE OF JERUSALEM ARTICHOKE, *Helianthus tuberosus* or the CHINESE ARTICHOKE, *Stachys sieboldii*.

## ASPARAGUS

Asparagus officinalis

**MARY WASHINGTON** *Rust resistant* Developed by U. S. Dept. of Agriculture. Heavy yielder, producing large clusters of early, large, bright green spears with tightly folded purple tinted tips; fine quality and very uniform. Excellent for canning, freezing or market.

#### BEANS

Phaseolus vulgaris

#### **DWARF GREEN PODDED VARIETIES**

BLACK SEEDED BOUNTIFUL Same as PLENTIFUL.

Pods: 5½-6 x 3/8-7/16", dark green, slightly curved or curved at tip, oval, stringy and fibrous unless picked young. Used for early market.

Bush: 13-17", erect, medium green, very vigorous and hardy, fairly productive. Seed: Medium sized, oval, glossy jet black.

**BOSTON FAVORITE** Same as GODDARD.

Bush: 16-18", erect, medium green, compact, vigorous and prolific.

Seed: Pale olive with brown eye spot.

BROAD WINDSOR Same as MAMMOTH FAVA.

BROWN BUNCH Same as TENNESSEE GREEN POD.

THE PARTY OF THE P
BURPEE'S STRINGLESS GREEN POD 50 days Pods: 5½-6 x 3/8-7/16", medium dark green, curved at tip, round to semi-round,
stringless, fibreless, excellent quality and flavor.
Bush: 16-17", slightly spreading, dark green, vigorous, productive.
Seed: Coffee or chocolate brown.
COMMODORE (DWARF KENTUCKY WONDER)
Pods: 8-9 x 3/8-7/16", round, slightly curved and twisted; refined round podded KENTUCKY WONDER type; tender, brittle, almost stringless and fiberless, medium dark green, very good quality.  Bush: 16-18", erect but bushy, vigorous, dark green, coarse leaflets, very prolific. Seed: Mahogany red, slender kidney shape which is cylindrical in cross section.
Pods: 5-5½ x 3/8-7/16", round, straight to curved at tip, stringless while young, fairly free of fibre, medium green. Used in South for green and dry shell bean.  Bush: 14-18", erect, compact, medium green, productive.  Seed: Small, oval, white.
DWARF CHERRY Same as DWARF HORTICULTURAL.
DWARF HORTICULTURAL (DWARF CHERRY, DWARF OCTOBER, RUBY,
<ul> <li>SPECKLED CRANBERRY)</li></ul>
DWARF KENTUCKY WONDER Same as COMMODORE.
DWARF OCTOBER Same as DWARF HORTICULTURAL.
EARLY SIX WEEKS Same as BOUNTIFUL.
Pods: 5½-7 x 5/8-3/4", oval, straight to slightly curved, stringy, used as shell bean, bright green splashed and streaked with carmine, beans prominent in pods.
Bush: 20-26", erect, branching with short runners late in season, bright medium green, very prolific.
Seed: Medium size, almost round, buff with scarlet or carmine splashing.
Pods: 6-6½ x 3/8-7/16", semi-round to round, slightly curved, fleshy, brittle, stringless, practically fibreless, medium green; suitable for canning and freezing.
Bush: 18-19", erect, compact, coarse, medium green foliage, not as hardy or vigorous as others, but very productive under optimum conditions. Seed: Reddish maroon splashed with buff.

GIANT STRINGLESS CREEN DOD

Pods: 6-6½ x ½-5%" round, straight to curved at tip, stringless, fiberless, almost free of parchment, medium to light green, marked indentation between beans. Bush: 16-17", similar to BURPEE'S STRINGLESS GREEN POD, but more erect plant and coarser foliage, hardy, productive, medium green. Seed: Ochre brown.
GODDARD (BOSTON FAVORITE)
Pods: 4-5 x 3/8-7/16", semi-round to round, straight to slightly curved, stringy, fairly free from fibre, light green, beans prominent in pod.  Vines: Similar in type to BURPEE'S STRINGLESS GREEN POD. Hardy, vigorous, prolific strain used in sections of South for early market.  Seed: Small, thick short oval, bright sulphury, yellow with faint greenish or brownish eyespot.
Pods: 51/4-51/2 x 5/16-3/8", round, fleshy fruit, brittle, straight, slender, apple green, stringless, fiberless. Choice canning and freezing strain.  Bush: 15-18", slightly larger and coarser leaflets than in REFUGEE STRINGLESS, but otherwise identical in plant type.  Seed: Same as REFUGEE STRINGLESS, but shows smaller patches of purple splashing.
Pods: 6-6½ x 3/8-7/16", round, straight to curved at tip, stringless, fiberless, medium to dark green, no indentations in pod.  Bush: 16-17", foliage and growth similar to BURPEE'S STRINGLESS GREEN POD, but darker green, more vigorous and more productive.  Seed: Ochraceous brown, same as BURPEE'S STRINGLESS GREEN POD.
Pods: $4\frac{3}{4}$ - $5\frac{1}{2} \times \frac{1}{2}$ - $5\frac{8}{8}$ ", flat, straight, stringless, good quality, medium to light green, noticeable indentations between beans. Used for canning in Eastern United States.  Bush: 14-16", erect, large leaved, dark green, vigorous and fairly productive. Seed: Blood red, with cream or buff hilum, large, plump, almost round.
Pods: 3-3½ x ½-1½", flat, straight, inedible walls, stringy, bright medium green with roughened surface. Used as shell bean.  Bush: 18-24", erect, practically no branching, medium gray green shiny foliage, very prolific, pods borne in upright clusters.  Seed: Pale green in edible stage becoming brown with black eyespot when mature.

MASTERPIECE
NEW STRINGLESS Same as TENDERGREEN.
PLENTIFUL (BLACK SEEDED BOUNTIFUL)  ALL-AMERICA AN SELECTION BM 1939
Bush: 16-18", erect, medium dark green, hardy and vigorous, very prolific; shows some resistance to rusts.  Seed: Large, flattened oval, glossy jet black.
RED CRANBERRY Same as LOW'S CHAMPION.
Pods: 4½-5 x 3/8-7/16", medium green, curved, thick oval to round, crease-backed, stringy and fibrous, brittle, fair quality. Old home garden variety still occasionally used in South.  Bush: 12-15", light to medium green, fairly compact, erect, moderately productive.  Seed: Medium sized, oval, buff heavily splotched with red.
Pods: 5-5½ x 5/16-3/8", round, fleshy, brittle, straight, slender, pale or apple green, absolutely stringless, very little fiber or parchment. Choice canning and freezing bean.  Bush: 15-18", erect but very spreading, dense, small leaves, dark green foliage, very vigorous, hardy and prolific.  Seed: Colden brown epleshed with dark winds and prolific.
Seed: Golden brown splashed with dark violet purple.
Pods: 4½-5 x 5/16-3/8", round, fleshy, stringless while young, no fibre, medium dark green.  Bush: 16-20", branched, spreading, medium green, hardy, vigorous, productive. Seed: Small, cylindrical, buff background almost completely covered with purple splotches.
RUBY Same as DWARF HORTICULTURAL.
SPECKLED CRANBERRY Same as DWARF HORTICULTURAL.
Pods: 7-9 x 3/8-7/16", flat to thick flat, straight to very slightly curved, stringless and fiberless, tender until full maturity, medium green. Valuable addition to early market and home garden strain; also suitable for use as dry bean. Bush: 14-18", erect, well branched, compact, medium green, shows some frost tolerance, hardy, vigorous, productive over long period. Seed: Medium sized, oval, white.

#### STRINGLESS BLACK VALENTINE Same as ASGROW STRINGLESS VALENTINE.

Bush: Similar to RED VALENTINE. Seed: Same as RED VALENTINE.

Bush: 15-16", very erect, compact; coarse, heavy, dark green foliage, vigorous.

Seed: Dull black splotched with golden to medium brown.



TENDERGREEN BEANS

**TENNESSEE GREEN POD (BROWN BUNCH)** . . . . . . . . . . . . 49-52 days Pods: 6-7 x 5/8-3/4", very broad and flat, curved, stringy, fibrous, medium green, beans prominent in pods, good flavor.

Bush: 13-17", very branched and spreading, very dark green, hardy, prolific.

Seed: Medium sized, broad, flat, brown with faint eyespot.

Pods: 51/2-6 x 5/16-3/8", round, brittle, fleshy, straight, slender, medium green, stringless, fiberless and without parchment; excellent for canning and freezing. Seed: Light or golden brown, splashed with dark brown. WHITE SEEDED BOUNTIFUL Same as STREAMLINER. DWARF WAX PODDED VARIETIES **BOUNTIFUL WAX** Same as SURE CROP WAX. BRITTLE WAX Same as ROUND POD KIDNEY WAX. CRACKERJACK Same as WEBBER WAX. CURRIE'S RUSTPROOF WAX . . . Pods: 51/2-61/2 x 7/16-9/16", thick, flat, straight, light waxy yellow, stringy, fairly free of fibre, coarse textured, fair quality. Bush: 12-15", erect, spreading, moderately vigorous, medium to light green. Seed: Medium size, oval, plump, glossy jet black covered with bluish black bloom. . . . 51-54 days Pods:  $5\frac{1}{2}-6\frac{1}{2} \times \frac{1}{2}-\frac{5}{8}$ ", semi-flat to semi-round, straight, moderately fleshy, stringless but fibrous, fair quality, light yellow. Used as cut bean for canning. Bush: 14-16", tall, erect, vigorous, bushy, moderately coarse foliage, medium green, very prolific. Seed: Chalky white, long kidney shape. DAVIS WHITE KIDNEY WAX . . . . Pods: 5-6 x 7/16-1/2", flat to thick flat, straight, stringy and fibrous, tough, poor to fair quality, light to medium yellow. Used in home gardens. Bush: 12-14", erect, compact, stocky, medium green, productive. Seed: Medium size, long oval to kidney shape, white. **EARLY WONDER WAX** Same as WEBBER WAX. GOLDEN BOUNTIFUL Same as SURE CROP WAX. HODSON WAX . . . Pods: 6-7 x 7/16-1/2", thick flat, straight to slightly curved, stringy, coarse textured, tough, light yellow, fair quality. Bush: 15-20", branched and sprawling, dull dark green, heavy producer. Seed: Medium large, oval, buff heavily splotched with carmine or blood-red splashing. Pods: 4-4½ x 3/8-7/16", semi-flat, straight, stringless but fibrous, light yellow, fair quality. Used for home gardens. Bush: 13-16", erect, stocky, medium green, fairly vigorous, moderately productive. Seed: Medium sized, short oval, white with dark purplish-brown eyespot.

# 

Bush: 14-17", tall, erect, vigorous, bushy, medium green, dense, moderately coarse foliage, productive.

Seed: Snow white with large black eye, kidney shape.

# 

Bush: 14-16", erect, spreading, vigorous, hardy and prolific, medium dark green.

Seed: Glossy jet black.

#### 

Bush: 15-17", erect, spreading, vigorous, hardy, coarse, medium green foliage,

very prolific under good conditions.

Seed: White with light to golden brown saddle and eyespot.



ROUND POD KIDNEY WAX BEANS

SURE CROP WAX (BOUNTIFUL WAX, GOLDEN BOUNTIFUL, YELLOW
BOUNTIFUL)
<b>TOP NOTCH GOLDEN WAX</b>
Bush: 14-16", stocky, erect, compact, medium green, vigorous and prolific. Seed: White with medium to chocolate brown eye.
UNRIVALLED WAX
WARDWELL'S KIDNEY WAX
Bush: 13-16", semi-erect, moderately branched, glossy green, fairly prolific. Seed: Medium large size, oval, purplish brown eyespot and end spot with scattered specks on sides of seed.
WEBBER WAX (CRACKERJACK, EARLY WONDER WAX) 48-52 days Pods: 5-6 x 3/8-7/16", flat to thick flat, slightly curved, almost stringless and fiberless, light waxy yellow. Used for home garden and market in Midwest because of drought tolerance.  Bush: 12-15", erect, compact, vigorous, dull medium to dark green, moderately productive.  Seed: Medium large, long oval, buff with brown eyespot.
, 1
YELLOW BOUNTIFUL Same as SURE CROP WAX.
FIELD OR BAKING VARIETIES
BOSTON PEA Same as NAVY.
BOSTON YELLOW EYE Same as IMPROVED YELLOW EYE.
Pods: 3-4 x 3/8-1/2", oval, tough, fibrous, stringy, inedible.  Bush: 11-15", branching and spreading with partial vining, dark green, prolific, hardy.
Seed: Medium large, long, flattened oval, white.
Pods: 5½-6 x 5/16-3/8", thick-flat, stringy, fibrous, inedible. Used for baking bean in New England and New York.  Bush: 15 20" erect branched branches bean decreased correct and lives are a productive.
Bush: 15-20", erect, branched, large leaved, compact, medium green, productive. Seed: Medium large, thick oval, white with brownish orange-yellow eyespot.

Pods: 5-5½ x 7/16-½", thick-flat, fibrous and stringy, inedible. Bush: 15-20", vigorous, dark green, semi-vining, productive, hardy. Seed: Medium large, short oval, white.
MICHIGAN NAVY Same as NAVY.
MONTANA WHITE Same as GREAT NORTHERN.
MOUNTAIN Same as LARGE WHITE MARROW.
NAVY (BOSTON PEA, MICHIGAN NAVY, WHITE NAVY) 93 days Pods: 3-3½ x 5/16-3/8", thick, flat, tough, stringy, inedible.  Bush: 16-20", with strong tendency to vining, dark green, hardy, vigorous, very prolific.  Seed: Small, rounded oval, white.
Pods: 5-6 x ½-5/8″, semi-round, slightly curved, stringy, tough and fibrous, not edible. Used for canning and dry beans.  Bush: 14-16″, vigorous, bushy, compact, erect, medium green, prolific. Seed: Rich mahogany red, flat oval with kidney shape.
ROYAL DWARF KIDNEY Same as WHITE KIDNEY.
WHITE KIDNEY (ROYAL DWARF KIDNEY)
WHITE NAVY Same as NAVY.
POLE GREEN PODDED VARIETIES
ASPARAGUS Same as YARD LONG.
BLACK CORNFIELD (IDEAL MARKET, BLACK CREASEBACK, BLACK VALENTINE POLE)
BLACK CREASEBACK Same as BLACK CORNFIELD.
BLACK VALENTINE POLE Same as BLACK CORNFIELD.
BLUE LAKE (WHITE CREASEBACK, WHITE CORNFIELD, FAT HORSE)
Pods: 5½-6 x 3/8-7/16", round, slightly curved, tender, fleshy, stringless and fiberless, medium green, excellent quality; used in canning and freezing.  Vines: 4-5 ft., good climber, vigorous, productive, dark green foliage; bears over long season.
Seed: Ivory white, small, oval; also suitable for dry shell bean.
BROWN SICKLE Same as TENNESSEE WONDER.

BURGER'S STRINGLESS GREEN POD Same as KENTUCKY WONDER, WHITE SEEDED.
CORNFIELD, GENUINE (SCOTIA, NANCY DAVIS, STRIPED CREASEBACK)
Pods: 5-6 x 3/8-7/16", round, straight to slightly curved, stringless while young, moderately fibrous, fleshy, medium green becoming purple splashed. Popular pole bean in the South.  Vines: 4½-5 ft., good climber, hardy and vigorous, medium green, prolific. Seed: Medium small, oval, greenish buff splashed with cinnamon.
CORN HILL Same as CUTSHORT.
CUTSHORT (RED SPECKLED CUTSHORT, CORN HILL) 72-75 days Pods: 3-4 x 5/16-7/16", thick oval to round, slightly curved, fleshy, brittle, almost free of stringiness, medium to dark green, fair to good quality. Vines: 4-5 ft., loose twining, vigorous, medium to dark green, productive over long season.  Seed: Small, variable shape because of being compressed in pods, dingy gray with reddish brown eyespot and splashing.
Pods: 7½-9 x ¾-7/8″, flat, broad, straight to slightly curved, stringy, fibrous, tough, light green, poor to fair quality.  Vines: 4-4½ ft., good climber, rank grower, medium to light green, fairly productive.  Seed: Very large, flattened broad oval, ivory white.
DUTCH RUNNER Same as WHITE DUTCH RUNNER.
EGG HARBOR Same as tennessee wonder.
FAT HORSE Same as BLUE LAKE.
GENUINE CORNFIELD See CORNFIELD, GENUINE.
HAMPDEN Same as KING HORTICULTURAL.
IDEAL MARKET Same as BLACK CORNFIELD.
<b>KENTUCKY WONDER (OLD HOMESTEAD, TEXAS PROLIFIC)</b> 65 days Pods: 7½-9 x 7/16-½", almost round, slightly curved and twisted, rough corrugated surface, brittle and tender, slightly stringy but fiberless, medium green; pods borne in clusters.  Vines: 5-6½ ft, good climber, vigorous, hardy, prolific, large leaved, dark green; widely adapted.  Seed: Variable shades of gray brown to chocolate brown; very flat oval.
KENTUCKY WONDER, WHITE SEEDED (BURGER'S STRINGLESS GREEN POD)
Pods: 6-7 x 7/16-9/16", thick oval to round, curved, stringless and fiberless, very brittle and tender, fleshy, dull silvery green, excellent quality.  Vines: 4-5 ft., good climber but only moderately vigorous, medium green, fairly productive.
Seed: Medium large, long flat oval, white.

KING HORTICULTURAL (MAMMOTH, HAMPDEN, WORCESTER SPECIAL)
Pods: 5½-6½ x 5/8-3/4", thick oval, slightly curved, stringy, fibrous, tough, inedible except when very young, medium green with scarlet splashings. Old time pole horticultural being largest podded and largest seeded.  Vines: 5-7 ft., fairly good climber, not too vigorous or productive but hardy, medium green.  Seed: Very large, very broad, thick oval, color like LONDON HORTICULTURAL.
Pods: 5-6 x 5/8-3/4", broad, flat, beans very prominent, straight, rarely curved, stringless, almost fiberless, fleshy, brittle, fine textured, dark to medium glossy green, good quality. Excellent home garden snap or shell bean; also used as dry bean.
Vines: $4\frac{1}{2}$ - $5\frac{1}{2}$ ft., poor climber at start but rank grower later, productive over long period, medium glossy green.  Seed: Small, almost globular, ivory white.
Pods: 5-6 x 7/16-1/2", thick oval to round, curved at tip to slightly curved, stringless when young, almost free of fiber, good quality, bright medium green.  Vines: 5-6 ft., good climber, medium dark green, very productive, vigorous.
Seed: Medium large, broad oval, mottled gray and light purple.
Pods: 6-7 x 5/8-3/4", flat oval, straight to slightly curved, stringless, almost fiberless, not fleshy, dark green in snap stage becoming yellow green splashed with bright carmine in shell stage, fair quality.  Vines: 4-41/2 ft., good climber, vigorous, dark green, prolific.  Seed: Large, broad very plump oval, light buff sparsely splashed with dark red.
McCASLAN
MAMMOTH HORTICULTURAL Same as KING HORTICULTURAL.
MISSOURI WONDER (NOXALL, NANCY D.)
NANCY D. Same as MISSOURI WONDER.
NANCY DAVIS Same as CORNFIELD, GENUINE.
NOXALL Same as MISSOURI WONDER.
OLD HOMESTEAD Same as KENTUCKY WONDER.

OREGON GIANT
RED SPECKLED CUTSHORT Same as CUTSHORT.
Pods: 5-6 x ½-5/8", broad, thick flat, beans very prominent, straight to very slightly curved, stringless while very young becoming stringy, fibrous, and tough in shell bean stage, medium to dark green.  Vines: 12-17 ft., excellent climber, coarse medium dark green foliage, vigorous hardy, very prolific over long season. Used for ornament.  Seed: Very large, very thick broad oval, reddish purple splashed with blue black
SCIPIO Same as LONDON HORTICULTURAL.
SCOTIA Same as CORNFIELD, GENUINE.
SPECKLED CRANBERRY Same as LONDON HORTICULTURAL.
STRIPED CREASEBACK Same as CORNFIELD, GENUINE.
STRIPED SICKLE Same as TENNESSEE WONDER.
Pods: 7-8½ x 9/16-5%", round, straight to partially sickle shaped, beans prominent, light green, fiberless and almost stringless, tender, brittle, coarse textured, fair to good quality.  Vines: 4-4½ ft., good climber, purple shading on entire medium green plant only moderately productive.  Seed: Medium large, long oval, mottled mouse gray and buff with black striping and eyespot.
TEXAS PROLIFIC Same as KENTUCKY WONDER.
WHITE CHERRY Same as LAZY WIFE.
WHITE CORNFIELD Same as BLUE LAKE.
WHITE CRANBERRY Same as LAZY WIFE.
WHITE CREASEBACK Same as BLUE LAKE.
WHITE DUTCH RUNNER Ph. multiflorus
WHITE HALF RUNNER

WHITE SEEDED KENTUCKY WONDER See KENTUCKY WONDER, WHITE SEEDED. WORCESTER SPECIAL Same as KING HORTICULTURAL. WREN'S EGG Same as LONDON HORTICULTURAL. YARD LONG (ASPARAGUS) Vigna sinensis sesquipedalis . . . 67-73 days Pods: 18-24 x 3/8-7/16", round, straight to long twisting slight curve, fleshy, tender, traces of stringiness, fiberless, fine textured, light green, good quality. Vining variety of cowpeas. Vines:  $5\frac{1}{2}$ - $6\frac{1}{2}$  ft., vigorous, rank grower, dark green, productive. Seed: Very small, angular, oval, reddish brown with black eyespot. POLE WAX PODDED VARIETIES GOLDEN CLUSTER WAX . 72-75 days Pods: 5-7 x 5/8-3/4", broad flat, slightly curved, stringless and fiberless, tender, brittle, light very waxy yellow, excellent quality. Used as home garden strain for snap, shell or dry beans. Vines: 41/2-5 ft., good climber, very vigorous, hardy, bright green, productive. Seed: Medium large, broad flattened oval, dull white. KENTUCKY WONDER WAX (OLD HOMESTEAD WAX, TEXAS PROLIFIC WAX) Pods: 6-8 x 7/16-9/16", thick flat to oval, curved, fleshy, moderately stringy and fibrous, light golden yellow, good quality. Most popular pole wax podded variety. Vines: 4-5 ft., good climber but open growth, productive, medium to dark green. Seed: Medium large, broad somewhat flattened oval, chocolate brown. **OLD HOMESTEAD WAX** Same as KENTUCKY WONDER WAX. TEXAS PROLIFIC WAX Same as KENTUCKY WONDER WAX. BUSH LIMA VARIETIES Phaseolus lunatus Bush: 14-16", erect, very bushy and branching, dark green foliage, similar to HENDERSON'S, very prolific. Seed: Small, light green, plump in edible stage; green tinted cream with dimple in dry stage. Very desirable for canning and freezing. . . . . . . . . . 76 days BURPEE'S IMPROVED Bush: 16-20", erect, spreading, very vigorous and productive, glossy dark green

Seed: Large, flat, pale green in edible stage; large, oval, flat, green tinted white

in dry stage. Suitable for freezing.

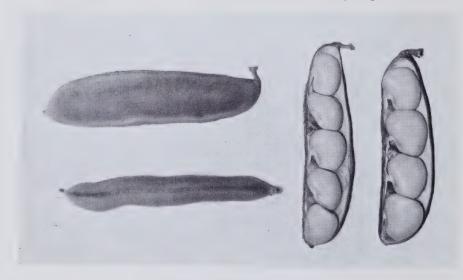
more runners than BURPEE'S, rank grower.

Seed: Medium large, plump, broad oval, pale silvery green in edible stage.

Seed: Medium large, plump, broad oval, pale silvery green in edible stage; medium size, thick broad oval, creamy white in seed stage.

Bush: 16-19", erect, compact, bushy, dark green, heavily productive on fertile soils, but sensitive to changes in fertility or climate.

Seed: Large, plump, rounded oval, pale green in edible stage; medium size, round to rounded oval, thick, creamy with green tint in dry stage.



#### FORDHOOK BUSH LIMA BEANS

Bush: Identical with HENDERSON BUSH LIMA.

Seed: Same appearance as HENDERSON, but fleshy part of seed or cotyledons are <b>green</b> instead of yellow as in all other limas in dry seed stage. Only difference in seed at processing stage is appearance of white seed in HENDERSON, while all beans of GREEN SEEDED HENDERSON are green.
<b>HENDERSON</b>
Seed: Small, light green, almost round, thin in edible stage; small, creamy white, round, thin in dry state. Leading variety for canners and freezers.
Pods: $2\sqrt[3]{4} \cdot 3\sqrt[4]{4} \times \sqrt[3]{4} \cdot 7\sqrt[8]{9}$ , flat to thick flat, dark green, small seeded.  Bush: $12-18$ , almost sprawling, glossy very dark green foliage, hardy, vigorous, productive. Especially noted for its drought and heat tolerance.  Seed: Small, thick flat, broad oval, pale buff with streaks of darker color in edible stage; small, flat, oval to triangular, deep buff to dark tan with splashing and striping of purplish black in seed stage.
MARYLAND THICK SEEDED (CORDNER)
<b>RED JACKSON</b>
SUPERGREEN Similar to GREEN SEEDED HENDERSON.
<b>THOROGREEN</b> Similar to GREEN SEEDED HENDERSON, but not as uniformly colored seed.
U. S. NO. 2
WOODRUFF BUSH
beans are medium size, creamy white, thin and roundish. <b>WOOD'S PROLIFIC</b>

#### POLE LIMA VARIETIES

BURPEE'S BEST Same as CHALLENGER.

CAROLINA Same as SIEVA.

Pods: 4-5 x 1-1½", straight, thick flat, medium to light green, smooth, large seeded.
Vines: 7-9 ft., vigorous climber, medium green, moderately productive. Seed: Large, fairly plump, broad oval, pale green in edible stage; large, thick flat, long oval, green tinged white to dull white in seed stage.
CHALLENGER (DREER'S IMPROVED, POLE FORDHOOK, BURPEE'S BEST)
Pods: 3-4 x 1-11/4", straight, broad plump oval, medium green, medium large seeded.
Vines: 9-12 ft., good climber, vigorous, medium grayish green, very productive. Seed: Large, thick flat, oval, bright green in edible stage; medium large, flat to thick flat, broad oval, dull or greenish white in seed stage.
DREER'S IMPROVED Same as CHALLENGER.
<b>EARLY JERSEY</b>
Vines: 6-8 ft., good climber, vigorous and moderately productive, medium to dark green.
Seed: Medium large, broad flattened oval, green tinged white in seed stage.
FLORIDA BUTTER (SPECKLED, GIANT BUTTER SPECKLED) 88-93 days Pods: 3-3½ x ¾-½", flat, slightly curved and moderately twisted, medium dark green, smooth.  Vines: 8-10 ft., similar to SIEVA, dark glossy green, vigorous, productive. Seed: Small, oval, flat to thick flat, buff tinged pale green with traces of striping in edible stage; small, flat, oval, light buff splashed and spotted with reddish maroon to black in seed stage.
FLORIDA BUTTER, WOODRUFF'S IMPROVED 88-03 days
Pods: 3½-4 x ¾-½", selection for larger straighter pods, heavier yield and more vigorous growth.  Vines: Similar to FLORIDA BUTTER but more hardy and vigorous.  Seed: Same as FLORIDA BUTTER but dry seed splashed with dark red or brown tinged red instead of black.
<b>FORD'S MAMMOTH</b>
Pods: $4-4\frac{1}{2} \times 1-1\frac{1}{8}$ ", thick flat to broad oval, straight to slightly curved with some twisting, medium light green.
Vines: 7-9 ft., good climber, vigorous, dull medium green, late bearer and only moderately productive.
Seed: Large, plump, broad oval, pale greenish white in seed stage and brighter green in edible stage.

GIANT BUTTER SPECKLED Same as FLORIDA BUTTER.
Pods: 5½-6½ x 1½-1½", thick flat, moderately straight although somewhat curved and twisted, dark dull green, smooth.  Vines: 10-14 ft., moderately vigorous and productive, medium to dark green good climber.  Seed: Large, broad oval, flat, dull white, occasionally green tinged.
<ul> <li>KING OF THE GARDEN</li></ul>
Pods: 5-5½ x ½-1½", moderately curved, flat, medium green. Vines: 9-12 ft., moderately vigorous, fairly productive, medium dull green. This is probably the ancestor of most of the present day limas. Seed: Large, long, broad plump oval, dull white in seed stage.
Pods: 4½-5 x 1-1½", straight to curved at tip, thick flat, medium light green Vines: 7-9 ft., fairly vigorous, hardy, productive, dull medium green. Seed: Large, broad, flattened oval, dull white in seed stage.
POLE FORDHOOK Same as CHALLENGER.
SEIBERT'S EARLY
SIEVA (CAROLINA, SMALL WHITE)
SMALL WHITE Same as SIEVA.
SPECKLED Same as FLORIDA BUTTER.
WILLOW LEAF

# BEET

Beta vulgaris

Roots: 2½-3" in diameter, short top shape, with medium tap root, dark red, fairl smooth skin; interior very dark red with occasional traces of faint zoning Choice market type.  Tops: 14-18", with glossy medium green, medium broad leaf blade; medium collar.
Roots: Very similar in type to EARLY WONDER, but medium red interior and more distinct zoning.  Tops: Same as EARLY WONDER, but dark red instead of green.
Roots: Similar to LANDRETH'S BEST, but more distinct zoning and carmine instead of dark red interior. Main crop market type and canner strain.  Tops: Similar to LANDRETH'S BEST, but leaf blades are broad, long and only slightly crumpled.
Roots: Similar to EARLY WONDER, with higher percentage of roots flat globe and squarer shoulder.  Tops: Similar to EARLY WONDER, but medium collar.
PETROIT DARK RED
PETROIT SHORT TOP
EARLY BLOOD TURNIP  Roots: 2½-3" in diameter, fairly uniform top shape, medium tap root, dark red smooth skin; interior dark red with thin distinct zoning, brittle flesh. Home garden and local market strain.  Tops: Similar to CROSBY EGYPTIAN but mostly green leaved; medium collar.
Roots: New early market type; 2-21/2" in diameter, globular with dark red smooth skin, very uniform in size and shape; interior dark red and zoning inconspicuous, small tap roots. Choice market strain.  Tops: Similar to EARLY WONDER in type, but smaller, being 12-16"; small collar.



#### DETROIT SHORT TOP BEET

<b>EARLY WONDER</b>
Roots: 21/2-3" in diameter, flat globe to short top shape with small tap root,
dark red, smooth skinned; interior dark red with thin distinct zones of
magenta tinged medium red, very tender and rapid growing. Suitable for
diced packs in northern latitudes.
Tops: 14-18", with glossy, medium green, broad, short, friangular shape leaf
blade which remains smooth; small collar.

Tops: 15-19", fairly coarse leaf, almost smooth blade; medium collar.

Tops: 17-20", large, broad leaf blades, mostly green; medium to large collar.

EXTRA EARLY DARK RED EGYPTIAN (FLAT EGYPTIAN) . . . 49-51 days Roots: Very early, 21/2-3", flat to flat globe with small tap root, very dark red skin and dark red interior, occasionally faintly zoned. Earliest market type. Tops: 14-17", glossy dark green, medium broad leaf blades, usually smooth: small to medium collar. FLAT EGYPTIAN Same as EXTRA EARLY DARK RED EGYPTIAN. GOOD FOR ALL ALL-AMERICA AND SELECTION BM 1934 . . . . . . . 62-65 days Roots: 2-21/2" in diameter, globular, medium to small tap roots, slow grower; dark red smooth skin with dark red interior, occasionally faintly zoned. Canning strain developed as selection from DETROIT DARK RED. Tops: 13-16", long, narrow, slightly crumpled leaf blade; much smoother than SHORT TOP DETROIT, medium dark green; medium sized collar. LANDRETH BEST . . . . 54-57 days Roots: 21/2-3", uniform globe shape with small to medium tap root, dark red smooth skin; interior dark red with faint distinct zones of medium red, tender flesh. Suitable for both small whole or diced pack and for freezing. Tops: 17-20", with glossy medium green, long, narrow, slightly crumpled leaf blades; small collar. LONG SMOOTH BLOOD Roots: 2-21/2 x 8-10", long cylindrical with abruptly tapered tip, medium to large tap root, smooth dark purplish red skin and deep purplish red interior with only slight traces of zoning; growth is partially out of ground. Important as late winter storage type. Tops: 18-22", medium green to bronze, large broad leaf blades; medium to large collars. OHIO CANNER ALL-AMERICA & SELECTION SM 1933 . . . . . . 62-65 days Roots: 13/4-21/2" in diameter, deep oblate to globular at canning stage developing from short top shape when younger; medium to large tap roots; dark red, fairly smooth skin with very dark red interior only rarely showing indistinct lighter zones. Because of slow growth this is chiefly a canning strain. Tops: 13-16", medium sized oval leaf blades, smoother than SHORT TOP DETROIT, glossy green, medium to medium large collar. This variety is related in parentage to PERFECTED DETROIT but matures later. PERFECTED DETROIT ALL-AMERICA AN SELECTION SM 1934 53-57 days Roots: 21/4-3" in diameter, almost globular at dicing stage developing from flat globe at early market stage; medium to large tap roots; vigorous, rapid grower; dark blood red, fairly smooth skin with blood red interior occasionally showing faint distinct zones. Used mainly as a market garden strain but also suitable for canning. Tops: 16-19", large, broad oval leaf blades, partially crumpled, dark glossy

green; mostly large collars.

# MANGEL

#### MANGEL WURZEL or STOCK BEET

Beta vulgaris

BARRES SLUDSTRUP Same as SLUDSTRUP.

COLOSSAL LONG RED Same as MAMMOTH LONG RED.

DANISH SLUDSTRUP Same as SLUDSTRUP.
GIANT HALF SUGAR GREEN TOP
GIANT HALF SUGAR ROSE TOP
GOLDEN TANKARD
MAMMOTH LONG RED (COLOSSAL LONG RED)
SLUDSTRUP (DANISH SLUDSTRUP, BARRES SLUDSTRUP) 105 days High feeding value because of high sugar content; roots are long pointed oval with yellow skin and white flesh; small tops and small tap roots with growth mostly above ground making for easy harvest.
SUGAR BEET
Beta vulgaris
<b>ELITE</b> Same as klein wanzleben.
<b>KLEIN WANZLEBEN (ELITE)</b> 100 days Most desirable sugar beet; also excellent for stock feed because of high sugar content; roots 12-16" long, 4-5" in diameter at shoulder, tapered, grayish white; good keeper, heavy cropper.
LANE'S IMPERIAL (VILMORIN'S IMPROVED WHITE, WHITE FRENCH)
Good cropper with sugar content as high as 18-20%; roots large, oval, smooth, rose tinted white with white flesh.
VILMORIN'S IMPROVED WHITE Same as LANE'S IMPERIAL.
WHITE FRENCH Same as LANE'S IMPERIAL.

#### SWISS CHARD

Beta vulgaris var. cicla

BROAD RIB GREEN (WHITE SILVER RIBBED) · · · · 53-58 days Plants: 14-20" tall, erect, vigorous, compactly bunched. Leaves: Noted for prominent broad and thick green tinted white midrib; leaf

blade 6-8" broad, 5-7" long, bright green, crumpled.

· · · 55-60 days

Leaves: BROAD RIB GREEEN type, but petioles are broader and thicker on average and are more creamy tinged white than green tinted white; leaf blades 9-10" broad, 9-12" long, glossy dark blue green, much crumpled, with rounded incurved tip similar to LONG STANDING BLOOMSDALE SPINACH.

LUCULLUS

Plants: 16-22" tall, hardy, vigorous, compactly bunched.

Leaves: Leaf blade 5-7" broad, 9-12" long, medium apple green, heavily crumpled, petiole is creamy yellow and slender.

WHITE SILVER RIBBED Same as BROAD RIB GREEN.

#### BROCCOLI

Brassica oleracea var. italica

CALABRESE (ITALIAN GREEN SPROUTING) . . . . . . . 55-60 days Heads: 21/2-4" in diameter, formed of bright green compact buds, free from leaflets; sprouts developing after main head is cut are 3/4-11/2" in diameter and of similar type as main head. Distinctive flavor and tender; used for canning, freezing and market.

Plants: 15-20" tall, very leafy, blue green foliage, making erect, bushy plant.

# BROCCOLI-RAAB

#### FALL

Winter annual making heavy compact top growth early in spring for greens. Leaves are broad strapleaf turnip type. Grows 18-24" tall before going to seed. Used as early market greens.

#### SPRING

Same as FALL BROCCOLI-RAAB, but must be planted in spring since it will not winter over. This is annual and shoots to seed rapidly. Used also as early market greens.

# BRUSSELS SPROUTS

Brassica oleracea var. gemmifera.

LONG ISLAND IMPROVED (PARIS MARKET) . . . . 90-95 days Plants 20-24" tall, dwarf and compact, stem closely covered with small cabbagelike balls 1-11/2" in diameter, which mature in succession.

SPECIAL LONG ISLAND · · · . 92-97 days Plants 22-26" tall, compact, stem tightly packed with small heads 11/2-13/4" in diameter. This is a later, more vigorous and slightly larger heading strain than LONG ISLAND IMPROVED. CABBAGE Brassica oleracea var. capitata YELLOWS RESISTANT VARIETIES Plants: Very large, with large upright leaves, color deep blue green which becomes red tinged in late Fall, heavy bloom. Heads: Large, 71/2-81/2" diameter, weigh 71/2-9 lbs., compact, hard, with interior creamy white to pale yellow, coarser grained than DANISH BALLHEAD, with medium core. COPENHAGEN MARKET, YELLOWS RESISTANT Same as MARION MARKET. DETROIT (RESISTANT GOLDEN ACRE) . . 63-66 days Plants: Similar type to regular GOLDEN ACRE, but slightly larger leaves and plant, not as uniform as GOLDEN ACRE. Heads: Very similar to GOLDEN ACRE OF COPENHAGEN MARKET; about only difference is creamy white interior. yellows resistant selection of GLORY. Heads: Large, globe, 8-9" diameter, weigh 51/2-6 lbs., hard; interior creamy white with medium grain and medium sized core. GOLDEN ACRE, RESISTANT Same as DETROIT. **HOUSER** Same as BUGNER. Plants: Selection from JERSEY WAKEFIELD for disease resistance; very similar in type but dark blue green. Heads: Similar to JERSEY WAKEFIELD, but more solid and finer texture.

MARION MARKET (RESISTANT COPENHAGEN MARKET) . . . 78-82 days Plants: Medium size, with larger leaves and more spreading plant than COPEN-HAGEN MARKET, deeper blue green than COPENHAGEN MARKET.

Heads:  $6\frac{1}{2}$ - $7\frac{1}{2}$ " in diameter, weigh 4-5 lbs., globe, hard, fine grained, creamy white interior, tender and crisp fleshed, medium core. Usually not as uniform as good strains of COPENHAGEN MARKET.

Plants: Yellows resistant selection from ALL SEASONS; similar to ALL SEASONS, but not as uniform type.

Heads: Similar to ALL SEASONS, but with coarser textured interior.

Plants: Similar to DANISH BALL HEAD type. More uniform than WISCONSIN HOLLANDER No. 8, but of similar type. Heads: Similar to WISCONSIN HOLLANDER, but smaller, more uniform and harder. Good quality. Yellows resistant selection from DANISH BALLHEAD. Heads: 71/2-81/2" diameter, weigh 6-8 lbs., similar to DANISH BALLHEAD, but not as uniform size as best strains of DANISH BALLHEAD. YELLOWS SUSCEPTIBLE VARIETIES Plants: Large, long, upright leaves, medium green, short to medium stem, rapid grower. Heads: 8-9" broad, weigh 6-7 lbs., flat globe shape with rounded tops; interior creamy white, medium textured, hard, good keeper for storage, medium core. Plants: Large, vigorous, hardy, drouth tolerant, medium green, medium length Heads: 10-11" broad, 7-8" deep, weigh 9-10 lbs., oblate shaped with rounded top and bottom; interior creamy white, very solid, fine to medium textured, small to medium core. Good storage and kraut cabbage. CHARLESTON WAKEFIELD Plants: Large, long, semi-erect outer leaves, dark green, medium stem. Heads: 6-7" broad at base, 7-81/2" deep, weigh 4-5 lbs., pyriform with rounded point; interior greenish white, medium textured, fairly firm, small to medium core. Used for Southern winter shipping; good for home garden and local markets as well. CHIEFTAIN SAVOY ALL-AMERICA A SELECTION SM 1938 . . . . . 85-90 days Plants: Medium large, broad, semi-erect leaves, compact, pale blue green, uniformly finely savoyed, short stemmed. Heads: 9-10" broad, 6-7" deep, weigh 6-7 lbs., flattened oblate, firm, well folded to give solid, fine to medium textured interior which is pale green; medium sized core. Plants: Medium sized, saucer shaped, short, upright leaves standing away from head, medium grayed green, short stem, rapid early grower; characterized by prominence of heads in field when seen from distance. Heads: 6-7" in diameter, weigh 3-31/2 lbs., interior white, fine grained, tender, tightly packed, not susceptible to premature bursting; small medium core. Plants: Same type as regular COPENHAGEN MARKET. Heads: Similar to regular COPENHAGEN MARKET. This is more refined strain, reselected to give greater percentage of heading, greater uniformity of maturity and type and more even development thruout.

Plants: Medium to large size, short stem, upright leaves, color blue green with heavy silvery gray bloom.  Heads: Globe to flattened clobe were head 71/ 01/4/ in 1/2 to 1/4/
Heads: Globe to flattened globe, very hard, 7½-8½" in diameter, weigh 6-6½ lbs.; interior white, fine grained, tightly packed, with small to medium core. Leading late variety for processing.
<b>DRUMHEAD SAVOY</b>
Heads: 8" broad, 6½-7" deep, weigh 5-6 lbs., almost round; interior yellow to geenish yellow, medium textured, fairly firm, medium core.
Plants: Small, leaves semi-erect and compact, medium dark green, short stem, suitable for close planting.  Heads: 7-8" broad, 5-6" deep, weigh 3½-4½ lbs.; interior white, solid, fine
textured, small core, desirable second early market type. <b>EARLY ROUND DUTCH</b>
DWARF FLAT DUTCH.  EARLY SUMMER
Plants: Medium size, large, broad, semi-erect leaves, medium stem, medium green. Local market and home garden type.  Heads: 7-8" broad, 6-6½" deep, weigh 5-6 lbs., round with flattened top; interior white, medium textured, fairly solid, small to medium core.
GLORY OF ENKHUIZEN
Plants: Similar to COPENHAGEN MARKET, being an extra early selection from that variety.
Heads: $6-6\frac{1}{2}$ " in diameter, weigh $2\frac{1}{2}$ -3 lbs., otherwise same as COPENHAGEN MARKET.
GOLDEN ACRE ELITE



GOLDEN ACRE CABBAGE

Plants: Same plant type as regular strain of GOLDEN ACRE.  Heads: Same as regular GOLDEN ACRE, but this is reselected strain to give greater uniformity of head and maturity and higher percentage of marketable heads.
GREEN ACRE
HOLLANDER Same as DANISH BALL HEAD.
Plants: Small, medium broad, upright leaves, compact, medium blue green, short stem. Extra early market or home garden type.  Heads: 4½-5½" broad at base, 6½-7" deep, weigh 2-2½ lbs., pyriform, more pointed than CHARLESTON WAKEFIELD; interior greenish white, fairly solid, medium textured, small core.

LATE DRUMHEAD Same as PREMIUM LATE FLAT DUTCH.

MAMMOTH RED ROCK
PENN STATE BALLHEAD ALF-MERICA SELECTION SM 1934 103-107 days Plants: Medium size, medium large leaves, upright, blue green with moderate bloom.  Heads: Flattened globe, 7-8" in diameter, 6-7" deep, weigh 5-6 lbs., very hard, creamy white interior, fine grained, small to medium core, very uniform strain.
PREMIUM LATE FLAT DUTCH (LATE DRUMHEAD) 100-110 days Plants: Large, broad, spreading leaves, medium blue green, medium stem. Heavy yielding market type.  Heads: 11-14" broad, 6½-7½" deep, weigh 12-15 lbs., distinctly flat globe; interior creamy white, very solid, medium textured, small to medium core.
Plants: Type of GOLDEN ACRE but more leafy and medium red with moderate bloom.  Heads: Same as GOLDEN ACRE, but red.
SPECIAL LONG ISLAND SAVOY
SPECIAL RED ROCK
STEIN'S EARLY FLAT DUTCH
Plants: Medium sized, broad, semi-erect leaves, medium blue green, short stem.  Good late summer and fall strain; good keeper.  Heads: 10-11" broad, 7-8" deep, weigh 7-8 lbs., globular to flattened globe, solid, medium textured; interior white, good quality, medium core.
SUREHEAD

# CABBAGE, CHINESE

Brassica pekinensis

PAO-TING Same as WONG BOK.

**PEKIN IMPROVED** Same as CHIHLI.

# CANTALOUPE AND MUSKMELON

Cucumis melo

#### PINK OR ORANGE FLESHED VARIETIES

BURRELL'S GEM (DEFENDER, ORDWAY PINK MEAT) . . . . 90-95 days Fruits; 4-4½ x 6-6½", weigh 2½-3 lbs., oval to oblong shape, distinctly ribbed, with medium netting, skin dark green remaining green at maturity; flesh rich orange, thick, sweet and spicy. Hardy variety in dry weather, but frequently develops blossom cracks in wet weather.

**DEFENDER** Same as BURRELL'S GEM.

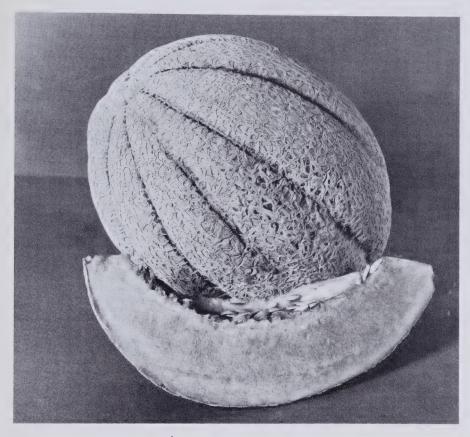
EARLY BENDER Same as DELICIOUS.

Fruits: 4½-5½ x 3½-5″, weigh 2-2½ lbs, flattened globe to nearly round, moderately ribbed and netted, skin dull yellowish brown mottled with green, flesh medium orange, moderately thick, juicy, fairly firm, good quality. Local market and home garden type.

Fruits: 5-6 x 4-5", weigh 2½-3 lbs., flattened globe shape, distinctly ribbed with trace of netting, skin is bright emerald green becoming yellow green at maturity; flesh very thick, intense salmon orange, excellent quality. Suitable only for home garden and local market.
GOLDEN CHAMPLAIN Same as LAKE CHAMPLAIN.
HALE'S BEST No. 36
HALE'S BEST No. 45 Same as POWDERY MILDEW RESISTANT No. 45
HALE'S BEST, JUMBO STRAIN (TRIUMPH) 84-88 days Fruits: 6-7 x 7-8", weigh 5-6 lbs., similar to HALE'S BEST NO. 36, but larger and slightly later strain.
<b>HEARTS OF GOLD (HOODOO)</b>
<b>HEARTS OF GOLD, MORRILL'S LARGE STRAIN</b> 93-97 days Fruits: $6\frac{1}{2}$ -7" in diameter, weigh $4$ - $5\frac{1}{2}$ lbs., very similar to regular type of HEARTS OF GOLD, but larger, slightly later and better shipper.
HONEY ROCK Same as SUGAR ROCK.
HOODOO Same as HEARTS OF GOLD.
IMPERIAL No. 45 Same as powdery mildew resistant no. 45.
Fruits: 5-6" in diameter, weigh 3-3½ lbs., globular to slightly flattened, shallow ribbing with moderate netting, skin pale green, flesh salmon-orange, medium thick, fairly sweet, juicy, well flavored. One of earliest orange fleshed varieties, suitable for home garden or local market.
MILLER'S CREAM Same as OSAGE.
Fruits: 6-7 x 7-8", weigh 4½-6 lbs., oval, prominent ribbing with moderately abundant coarse netting; skin bright gray green; flesh deep salmon, solid, thick, medium textured, good flavor. Early shipping type for Northern areas.

ORANGE FLESH (PERFECTO) ALL-MERICA M SELECTION SM 1933 . . 85-90 days Fruits: 5-51/2 x 6-61/2", weigh 21/2-3 lbs., thick oval to globular, no ribbing and abundant, fine-laced netting; skin dark green, flesh salmon-orange, medium thick, highly flavored, firm, juicy, good quality. Popular all-purpose melon.

ORDWAY PINK MEAT Same as BURRELL'S GEM.
OSAGE (MILLER'S CREAM)
PAUL ROSE Similar to HEARTS OF GOLD.
PERFECTO Same as ORANGE FLESH.
PETOSKEY Similar to HEARTS OF GOLD.
Fruits: Orange fleshed ROCKY FORD type, 5-5½" in diameter, weigh ½-2 lbs. globular, no ribbing with finely interlaced, abundant netting; skin dark green, flesh moderately firm and juicy, sweet, highly flavored, deep orange around cavity shading to green at rind. Good home garden and local market type.
POWDERY MILDEW RESISTANT No. 45 (HALE'S BEST No. 45, IMPERIAL No. 45)
No. 45)
PRIDE OF WISCONSIN (QUEEN OF COLORADO) 90-95 days Fruits: 6-6½ x 6½-7½", weigh 3½-4½ lbs., thick, pointed oval, faint ribbing with moderately sparse, very coarse netting; skin gray green, hard and tough; flesh orange, solid, thick, very sweet, good flavored. Good market melon.
QUEEN OF COLORADO Same as PRIDE OF WISCONSIN.
Fruits: 6-7 x 7-8", weigh 5-7 lbs., thick oval with heavy blossom scar which resists cracking, prominent ribbing with abundant coarse netting, skin gray green becoming yellow at maturity, very hard and tough; flesh very thick, deep salmon-orange, solid, well flavored, excellent quality. Superlative shipping and market melon in BENDER group.
Fruits: 5-6 x 5½-6½", weigh 3-4 lbs., globular to slightly oval, faint ribbing with abundant coarse netting; skin gray green becoming pale yellow at maturity, tough and hard; flesh deep salmon, medium thick, fairly solid, juicy, good quality. Very desirable home garden and local market type; not suitable for long distance shipping.
SURPRISE Same as TIP TOP.
Fruits: 6-7 x 6½-7½", weigh 5-6 lbs., nearly globular, distinctly ribbed and sparsely netted; skin slate green; ripening to yellow; flesh salmon-yellow, thick, sweet and fairly juicy. Good home garden and local market type.



SCHOON'S HARD SHELL CANTALOUPE

TRIUMPH Same as HALE'S BEST, JUMBO STRAIN.

YELLOW FLESH JENNY LIND Same as EARLY FORDHOOK.

#### **GREEN FLESHED VARIETIES**

ANNE ARUNDEL Same as BOTTOMLY.

**BOTTOMLY (ANNE ARUNDEL)** . . . . . . . . . . . . . . . . . 83-88 days Fruits: 4-5 x 5-6", weigh 31/2-5 lbs., oval to round shape, distinctly ribbed and heavily netted; skin dark green, with light green flesh; very productive, shows some disease resistance and drought tolerance.

**EDEN GEM** Same as ROCKY FORD.

**EXTRA EARLY HACKENSACK** . . . . . . . . . . . . . . . 80-85 days Fruits: 6-7 x 5-6", weigh 3-3½ lbs., large, flattened globe shape, prominently ribbed with abundant interlaced netting; skin yellow mottled with green; flesh light green, juicy and good flavor. Home garden and local market type.

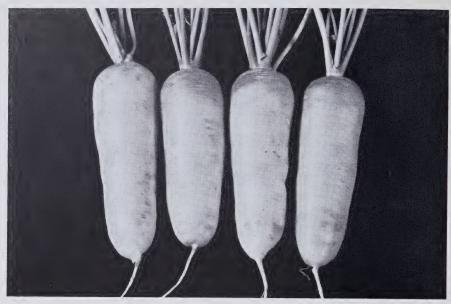
EXTRA EARLY KNIGHT (KNIGHT'S EARLY, MARYLAND, SUGAR SWEET. Fruits: 4-41/2 x 51/2-6", weigh 11/2-2 lbs., oval shape, prominent ribbing with moderate netting; skin dark green, flesh light green with pink tint bordering seed cavity; medium thick, very sweet, highly flavored, quite juicy, good quality. Popular market melon in Middle Atlantic States. GREEN FLESHED TIP TOP Same as OHIO SUGAR. with fairly sparse netting; skin dull orange mottled with green; flesh light green, not too thick, soft, juicy, fair to good quality. Home garden and local market type. KNIGHT'S EARLY Same as EXTRA EARLY KNIGHT. LARGE HACKENSACK (TURK'S CAP) . . . . . . . . 85-90 days Fruits: Similar to EXTRA EARLY HACKENSACK, but later and larger fruited, being 7-8 x  $5\frac{1}{2}$ -6" and weighing 5-6 lbs. MARYLAND Same as EXTRA EARLY KNIGHT. **NETTED GEM** Same as ROCKY FORD. 6-8 lbs., thick oval to nearly globe shape, prominently ribbed with sparse netting; skin creamy yellow; flesh light green, fine textured, soft, juicy, sweet, good quality and flavor. Home garden and local market type. **ROCKY FORD (NETTED GEM, EDEN GEM)** . . . . . . . 87-92 days Fruits: 4-5 x  $4\frac{1}{2}$ -5 $\frac{1}{2}$ ", weigh  $1\frac{1}{2}$ -2 lbs, nearly globular, very shallow ribbing with abundant finely interlaced netting; skin dark green becoming mottled bronze; flesh green with narrow golden border at seed cavity, medium thick, fairly firm, very sweet, flavorful and juicy. Widely cultivated local market and shipper type. SUGAR SWEET Same as EXTRA EARLY KNIGHT. SWEET AIR Same as EXTRA EARLY KNIGHT. TURK'S CAP Same as LARGE HACKENSACK. WINTER VARIETIES ANTIBES Same as HONEY DEW, GREEN FLESHED. CASABA (GOLDEN BEAUTY) . . . . . . 110-120 days Fruits: 6-8" in diameter, weigh 5-6 lbs., globular, skin tough and smooth, with surface sparsely wrinkled; skin golden yellow; flesh very thick, white, sweet and spicy. Chiefly grown in California for long distance shipping as well

GOLDEN BEAUTY Same as CASABA.

as local market.

HONEY BALL Fruits: 5-51/2" in diameter, weigh 31/2-4 lbs., globular, uniform; skin yellowish white, smooth with sparse fine netting; flesh pale silvery green, very juicy, sweet flavored. Excellent home, local market and shipping melon, being selected from a cross of HONEY DEW and TEXAS CANNON BALL. HONEY DEW, GREEN FLESHED (ANTIBES) . . . . . 112-115 days Fruits: 6-71/2 x 7-8", weigh 5-6 lbs., globular to thick oval; skin smooth, hard, creamy white to creamy yellow, occasional traces of netting; flesh very thick, pale emerald green, sweet, juicy, distinctly flavored. Good storage and shipping melon. CARDOON Cynara cardunculus LARGE SMOOTH Perennial from GLOBE ARTICHOKE family. Grown for fleshy leaf stalks. Plants 31/2-41/2 ft. tall, grayish green, stalks almost spineless. CARROT Daucus carota Large top, square shoudered, long, cylindrical to slightly tapered, abruptly tapered to stump rooted tips, dark orange, with medium sized core of lighter orange.  $7-8\frac{1}{2} \times 2-2\frac{1}{2}$ ". A large, more productive type of DANVERS. CHANTENAY (MODEL) Medium top, square shouldered, slight taper, with abruptly tapered to stump rooted tips, medium to dark orange center with large, medium to light orange core.  $5\frac{1}{4}$ -6 x 2-2 $\frac{1}{2}$ ". Widely used all purpose variety. DANVERS HALF LONG . . Large topped, square shouldered, slightly tapered, medium orange, smooth, medium sized core of light orange,  $7-7\frac{1}{2} \times 1\frac{1}{2}$ ", stump rooted, vigorous growth and heavy yield, brittle fleshed. GREATER CHANTENAY Large top, square shouldered, cylindrical to slightly tapered, abruptly tapered tips, occasional ridging on exterior, reddish orange, with medium size core of same intensity, making core almost indistinguishable, 6-61/2 x 2-21/3". An improved CHANTENAY type characterized by smoother and longer roots; dependable allpurpose variety. **GUERANDE** Same as OXHEART. Large tops, rounded shoulder, long, cylindrical, fairly smooth, stump rooted, medium reddish orange cortex with small to medium core of same shade, making core very indistinct. 8½-11 x 1½-2". This strain is very uniform and makes

one of best winter carrots.



GREATER CHANTENAY CARROT
<b>IMPERATOR</b> LEMERICA A SELECTION SM 1933
IMPROVED LONG ORANGE
MODEL Same as CHANTENAY.
MORSE'S BUNCHING MULTAMERICA STEECTION GM 1934
Medium topped, smooth, cylindrical, bright orange with core small and almost indistinguishable, 6-7 x 1-11/4", stump rooted, fine quality. Used in canning and freezing.
OXHEART (GUERANDE)

<b>RED CORED CHANTENAY</b>
<b>RUBICON</b>
ST. VALERY
<b>TOUCHON</b>
WHITE BELGIAN
<b>WOODRUFF'S CORELESS</b>
<b>WOODRUFF'S SPECIAL DANVERS</b>
YELLOW BELGIAN
CAULIFLOWER  Brassica oleracea var. botrytis
DWARF ERFURT
<b>EARLY SNOWBALL</b>

SELECTA
SELECTA
Plants: snowball type with very large leaves, giving exceptional covering to curd.
SNOWDRIFT (WHITE MOUNTAIN)
SUPER SNOWBALL (MADSEN STRAIN)
SUPER SNOWBALL
CELERIAC
Apium graveolens var. rapaceum
Also called Turnip Rooted Celery of Knob Celery
Glant smooth prague
Our new and improved strain of Celeriac, which produces more vigorous tops and bulbs and is relatively more disease resistant; bulbs of this strain weigh 3-6 lbs.
CELERY
Apium graveolens var. dulce
GREEN VARIETIES
<b>EASY BLANCHING (SANFORD SUPERB)</b>
EMPEROR (FORDHOOK)

FORDHOOK Same as EMPEROR.
GIANT PASCAL
GOLDEN CRISP Same as UTAH.
<b>HOUSER</b>
SALT LAKE Same as UTAH.
SANFORD SUPERB Same as EASY BLANCHING.
<b>UTAH (GOLDEN CRISP, SALT LAKE)</b>
WHITE PLUME
WINTER QUEEN
WOODRUFF'S BEAUTY
YELLOW VARIETIES
GOLDEN PLUME Same as WONDERFUL.
GOLDEN SELF BLANCHING (PARIS GOLDEN)
<b>LONG JOINTED WONDERFUL</b>
PARIS GOLDEN Same as GOLDEN SELF BLANCHING.
<b>TALL FRENCH, FERN LEAF (TALL GOLDEN SELF BLANCHING)</b> 105-110 days Tall, very compact, medium diameter bunch, blanches readily to creamy white; stalks long, medium broad, medium thick, fair to good quality.

TALL GOLDEN SELF BLANCHING Same as TALL FRENCH FERN LEAF.

CABBAGE.

Medium tall, very thick set, compact bunch; foliage yellow green, easily blanched to creamy yellow; stalks fairly long, crisp, solid, of exceptional flavor and quality: heavy yielder. Excellent late crop market and shipping type. CHERVIL Anthriscus cerefolium An annual used for garnishing and seasoning; seed germinates very slowly; leaves are brilliant green, finely cut and curled, giving appearance similar to Parsley; aromatic and pungent. CHICORY Cichorium intybus **ASPARAGUS** Same as CICCORIA CATALOGNA. CICCORIA CATALOGNA (RADICHETTA, ASPARAGUS) . . . 60-65 days Popular for early greens, being a rapid growing annual; plant has appearance of Dandelion, with young seed stalk similar to spear of Asparagus; both young leaves and seed stalk are edible, being tender and of dandelion flavor. FRENCH ENDIVE Same as WITLOOF. RADICHETTA Same as CICCORIA CATALOGNA. WITLOOF . . . · · · . . . 140-160 days Grown as annual in South, but parsnip-like root must be re-set in cold frame or greenhouse in the North. Late growth or second growth forms compact blanched head 4-6" long of crisp, tender leaves having distinctive sharp flavor. CHIVES Allium schoenoprasum **CHIVES** Small, clustering, hardy perennial belonging to Onion family; produces dense clusters of fine onion leaves which are used in salads or soups and for garnishing. COLLARDS Brassica oleracea var. acephala to form loose head, blue green. CABBAGE
Plants 18-24" tall; large, smooth, blue green, loosely folded and crumpled leaves, used for greens in South; usually showing appearance of partially formed cabbage head. Developed from cross of GEORGIA COLLARD and WAKEFIELD

GEORGIA . Old standard variety. Plants 24-30" tall with very broad, slightly crumpled, spreading leaves; upper leaves show incurving tendency, but not as pronounced as in Cabbage; pale blue green to medium green foliage.

#### SWEET CORN

Zea mays var. saccharata

HYBRID TYPES
YELLOW
BANTAM EVERGREEN HYBRID
CARMELCROSS
Earliest yellow hybrid developed by us.  Ears: 6½-7", slight taper, uniform type, 12-16 rows, straight rowed, well filled tips, good coverage of heavy husks; husked ears average 6¾ oz.  Kernels: Medium yellow, medium breadth, medium depth, good flavor, fair to

good quality; suitable for cream style pack in Northern canning areas where short season is a factor.

Plants: 51/2-6 ft., medium breadth leaves, medium to dark green, heavy, well rooted stalk, few suckers, fair yield of fodder.

**EARLY BANCROSS** . . . . . . . . . . . 80-81 days

Developed by us for early GOLDEN CROSS BANTAM type.

Ears: 7-8", cylindrical to slightly tapered, 10-14 rows, straight rowed, usually well filled tips, good husk coverage; husked ears average 6 oz.

Kernels: Dark yellow, medium breadth and length, good flavor and quality; desirable for whole grain or whole ear pack.

Plants: 6-61/2 ft., narrow leaved, medium green, good rooting, usually suckered.

GOLDEN CROSS BANTAM . . . Developed by Mr. G. M. Smith, Purdue University Agricultural Experiment

Station for a midwestern canners' hybrid. At present is the leading hybrid for all processes.

Ears: 7-8", very uniform, 10-14 rows, cylindrical to tapered at tip, straight to slightly winding rows, good coverage of medium heavy husks; husked ears

average  $61/_{2}$  oz.

Kernels: Medium yellow, medium breadth and medium depth to deep, excellent flavor and quality; excellent for whole grain, whole ear or frozen pack. Plants: 61/2-71/2 ft., medium breadth leaves, medium green, moderately heavy stalk, well rooted, occasional suckers, good yield of excellent quality fodder.



GOLDEN CROSS BANTAM HYBRID SWEET CORN (2 plants)

Drought resistant hybrid developed by us.

Ears: 7½-8½", cylindrical to slightly tapered, 12-16 rows, straight rowed, usually well filled tips, medium heavy husk which is long and tight and affords excellent tip protection; husked ears average 7 oz.

Kernels: Medium to dark yellow, medium breadth, medium depth to deep, good to excellent flavor, usually excellent quality because of drought resistance; desirable for cream or whole kernel pack, also suitable for whole

ear pack in cooler climates.

Plants: 7½-8½ ft., narrow to medium breadth leaves, dark green, medium heavy stalk, well rooted, heavily suckered, very leafy fodder. This hybrid appreciates a thinner stand because of its heavy sucker producing and ear developing ability. Entirely 2-eared and in thinner stand will develop many 3-eared plants.

Ears: 7-8", very uniform, 12-16 rows, cylindrical to very slightly tapered, straight rowed, good average of medium heavy husks; husked ears average 7-7½ oz. Kernels: Medium yellow, medium breadth, deep, excellent flavor and quality;

excellent for whole kernel pack.

Plants:  $6\frac{1}{2}$ - $7\frac{1}{2}$  ft., medium breadth leaves, medium to dark green, moderately heavy stalk, better root system than GOLDEN CROSS BANTAM, rarely suckered, good yield of high quality clean fodder.

This cross of Iowa inbred 45 and Purdue 39 was developed by Dr. E. S. Haber of the Iowa Agricultural Experiment Station for a larger eared main crop canners' strain.

Ears: 7-8", very uniform, cylindrical with rounded tip, 12-16 rows, straight rowed, good coverage of moderately heavy husk, husked ears average  $6\frac{3}{4}$  oz.

Kernels: Light yellow, medium breadth, medium depth to deep, excellent flavor and quality, very sweet; excellent for whole grain or cream style pack.

Plants:  $6\frac{1}{2}$ - $7\frac{1}{2}$  ft., broad leaves, dark green, heavy stalk, well rooted, very few suckers, good yield of excellent quality fodder, shows more heat and drought tolerance than GOLDEN CROSS BANTAM, occasionally infested with aphids.

Midseason wilt resistant yellow hybrid developed by Dr. Singleton of the Connecticut Agricultural Experiment Station for market.

Ears: 7-71/2", medium sized, cylindrical, 12-16 rows, straight rowed, fairly

well filled tips, good coverage; husked ears average 7 oz.

Kernels: Medium yellow, medium width, medium depth, good flavor and quality.

Plants: 6-6½ ft., medium breadth leaves, medium green, fairly well rooted, mostly single stalked, fair fodder yield.

Singleton of the Connecticut Agricultural Experiment Station as an early, large eared, wilt resistant market hybrid. Ears: 61/2-71/2", slightly tapered, uniform, 10-14 rows, straight rowed, fairly well filled tips, heavy husk coverage; husked ears average 63/4 oz. Kernels: Light to medium yellow, medium to broad, medium depth, fair flavor, fair to good quality. Plants: 5-51/2 ft., medium breadth leaves, medium green, heavy, well rooted stalk, few suckers, fair fodder yield. Station for canners' hybrid where GOLDEN CROSS BANTAM is affected by heat or drought. Ears: 7-8", very uniform, 12-14 rows, cylindrical, straight rowed, well filled tips, heavy husk, but occasionally short, giving "peepers," not as resistant to smut as GOLDEN CROSS BANTAM; husked ears average 61/2 oz. Kernels: Pale or light yellow, medium breadth, medium depth to deep, excellent flavor and quality; occasionally is thinner hulled than GOLDEN CROSS BANTAM; suitable for all types of corn processing. Plants:  $6\frac{1}{2}$ - $7\frac{1}{2}$  ft., medium breadth leaves, medium green to slatey green, medium stalk, well rooted, rarely suckered, good yield, good quality fodder. SENCROSS . Developed by us for high yielding 2nd early canners and market gardening hybrid. Ears: 7-81/2", cylindrical to slightly tapered, 12-16 rows, straight rowed, well filled tips, heavy coarse husk, giving very good coverage; husked ears average  $7\frac{1}{2}$  oz. Kernels: Medium yellow, medium breadth, medium depth to deep, good flavor, usually excellent quality, desirable for cream style, whole kernel or frozen pack; occasionally used for whole ear pack. Plants: 7-71/2 ft., medium breadth leaves, dark green, medium heavy stalk, well rooted, few suckers, excellent fodder for season. SPANCROSS 13 x 4 ALL-AMERICA of SELECTION HM 1941 . . . . . . 70-71 days Early hybrid developed by Drs. Singleton and Jones of the Connecticut Agricultural Experiment Station for first early market. Ears: 6-61/2", medium size, slightly tapered to tapered, fairly well filled tips, 10-14 rows, straight rowed, good husk coverage; husked ears average 6 oz. Kernels: Variable yellow, mostly medium yellow, narrow to medium, medium depth, fair flavor, fair to good quality. Plants: 41/2-5 ft., medium breadth leaves, medium dark green, fairly well rooted, moderate suckering, small fodder yield, needs high fertility level for best growth. for canners. Ears: 7-8", cylindrical to tapered at tip, 10-14 rows, straight rowed, well filled

tips, medium husk with good tip coverage; husked ears average 63/4 oz.

Kernels: Medium yellow, medium breadth, medium depth, good flavor and excellent quality; whole kernel appearance is very similar to GOLDEN CROSS BANTAM; used for whole kernel, whole ear and occasionally for frozen pack.

Plants: 6½-7 ft., medium breadth leaves, medium to dark green, medium heavy stalk; fairly well rooted, few suckers, fair amount of good quality fodder for season.

Ears: 7-8", slightly tapered with square tip end, very well filled tips, 14-16 rows, straight rowed, heavy coarse husk; husked ears average 7 oz.

Kernels: Medium to dark yellow, narrow to medium breadth, medium depth to deep, fair flavor, usually good quality, desirable for cream or whole grain pack.

Plants: 7-8 ft., medium breadth leaves, medium green, heavy stiff stalk, rarely suckered, good fodder yield; under high temperature and high humidity these plants show slight rust susceptibility.



HYBRID SWEET CORN SEED PRODUCTION FIELD, SHOWING SEED PARENT PLANTS DETASSELED

#### HYBRID TYPES

#### WHITE

Ears: 7½-8", zigzag kernel pattern, cylindrical with occasional ears showing slight taper; well filled tips, good husk covering with very few streamers; husked ears average 7½ oz.

Kernels: Creamy or ivory white, very narrow, very deep, slender shoepeg shaped, very uniform type, good flavor and good quality with thin hull; very desir-

able for whole grain or frozen pack.

Plants: 7½-8½ ft., narrow to medium breadth leaves, dark green, slender to medium stalk, well rooted, usually with one or two suckers per plant; high quality fodder.

COUNTRY GENTLEMAN HYBRID, ILLINOIS 8 x 6 . . . . . 97-98 days Developed by Dr. W. A. Huelsen, Illinois Agricultural Experiment Station for Illinois canners.

Ears: 71/2-8", zigzag kernel pattern, cylindrical to slightly tapered; well filled

tips, good husk covering; husked ears average 71/4 oz.

Kernels: Creamy or ivory white, very narrow, very deep, slenderest kernel of all COUNTRY GENTLEMAN hybrids, very uniform type, good flavor; excellent quality and thin hulled; has shown highest cutting percentage of all hybrids in production at present; excellent for whole grain and frozen pack.

Plants: 6½-7½ ft., medium breadth leaves, medium green, medium heavy stalk, well rooted, develops only occasional suckers, chief characteristic is presence of "shepherd's crook" tassel caused by delayed extrusion of tassel from upper leaves. This trait more prevalent under drought conditions than under humid conditions. Fodder yield is low because of small plant growth in comparison to other late corns.

**EVERGREEN HYBRID A or 3 x 20 (EARLY EVERGREEN HYBRID)** . 95-96 days Developed by us from midwestern material to replace open pollinated EARLY EVERGREEN.

Ears: 7½-8", large, cylindrical, straight rowed, 16-20 rows, well filled tip, excellent husk coverage of long heavy husks; husked ears average 9¾ oz.

Kernels: Snowy or chalky white, narrow, deep, uniform type, good flavor, thin hulled, making good to excellent quality; high cutting per cent; desirable for whole kernel or frozen pack.

Plants: 7½-8½ ft., broad leaved, heavy stiff stalk, medium to dark green, almost suckerless, occasionally 2-eared, very well rooted, heavy fodder yield.

Kernels: Snowy or chalky white, medium breadth, medium depth to deep, good flavor and excellent quality, heavy yield and high cut; very desirable for

whole grain or frozen pack.

Plants: 8-8½ ft., medium to narrow leaved, medium heavy, very stiff stalk, excellent rooting, dark green, many 2-eared stalks, rarely suckered, gives leafy, excellent quality fodder and heavy yield.

Ears: 7½-8", large, uniform, cylindrical, 20-24 rows, straight rowed, well filled tips, very good husk coverage; husked ears average 91/2 oz.

Kernels: Creamy or ivory white, narrow, deep, good flavor and quality, high cutting per cent; excellent for whole grain pack and good for frozen pack. Plants: 81/2-91/2 ft., medium breadth leaves, heavy stalk, well rooted, medium to dark green, very few suckers, heavy yield of good quality fodder.

#### NARROW GRAIN 14 x 13 99-100 days Single cross developed for canners by Dr. W. A. Huelsen of the Illinois Agricultural Experiment Station.

Ears: 7-71/2", large, cylindrical to slightly tapered, 16-20 rows, straight rowed,

well filled, good coverage; husked ears average 83/4 oz.

Kernels: White, narrow to medium breadth, deep, good flavor and quality. Plants: 71/2-8 ft., narrow to medium breadth leaves, medium dark green, well rooted, single stalked, good leafy fodder.

#### REDGREEN . Ears: 71/2-81/2", medium sized, slender, very cylindrical, 12-14 rows, straight rowed, well filled, moderate husk coverage of sunred husks; husked ears

average 7 oz.

Kernels: Pearly white, medium breadth and depth, excellent flavor, very thin hulled, very sweet; best quality hybrid ever produced, good cutting percentage; too uniform and too good quality to be used in cream style pack; excellent for whole grain and frozen pack.

Plants: 7-71/2 ft., medium breadth leaves, medium sized stalk, fair rooting, will suffer from extreme heat or drought, almost uniformly 2-eared; chief characteristic is sunred plant coming from development of extra anthocyanin

pigmentation after plants have tasseled out.

# SILVERWOOD HYBRID . . . . . .

Developed by us to get REDGREEN quality in earlier corn.

Ears: 7-8", slender, cylindrical, 14-18 rows, straight rowed, well filled tips, good husk coverage of medium heavy husks, occasionally streamered; husked ears average  $7\frac{3}{4}$  oz.

Kernels: Creamy or ivory white, narrow to medium breadth, medium depth to deep, excellent flavor and quality, high cutting percentage; excellent for

whole grain and good for frozen pack.

Plants: 7-8 ft., narrow to medium breadth leaves, medium to dark green, medium heavy stalk, few suckers, well rooted, fair yield of leafy fodder.

# Developed by us for large eared, uniform STOWELL'S type. STOWELL'S TOPCROSS

Ears: 8-9", uniform, cylindrical to slightly tapered, 16-20 rows, straight rowed, mostly well filled tips, excellent heavy husk coverage; husked ears average

Kernels: Creamy white, medium breadth, deep, good flavor and quality, heavy yield and high cut; very desirable for cream style or whole grain packs and

also for marketing where large late white corns are acceptable.

Plants: 8-9 ft., medium breadth leaves, medium heavy, stiff stalk, dark green, rarely 2-eared stalks or suckers, produces good quality leafy fodder and probably heaviest fodder yield of all our hybrids.



OUR PLANT BREEDER, WITH A ROW OF C-13 CORN INBREDS, IN OUR MILFORD SWEET CORN TRIALS

# OPEN POLLINATED VARIETIES YELLOW

#### 

used in cream style pack because variable width of kernel detracts from appearance in whole grain pack, good flavor.

Plants: 6½-7½ ft., medium to dark green, heavy stalk, not too well rooted, occasional suckers.

# EARLY GOLDEN MARKET Same as GOLDEN EARLY MARKET.

Kernels: Light to medium yellow, medium breadth, medium depth to deep, good flavor.

Plants: 5-6 ft., dark green, heavy stiff stalked, very few suckers.

<b>EVERGREEN GOLDEN BANTAM</b> Name used in the South; same as BANTAM EVERGREEN.	
Ears: 6-7½", cylindrical, 8-10 rows, straight rowed, fairly filled tips, good husk coverage occasionally developing streamers; husked ears average 5 controlled Early home garden or local market strain where 8 rowed ear is desired Kernels: Variable yellow, mostly dark yellow, medium to broad, shallow medium depth, fair to good flavor, fair to good quality.  Plants: 4½-5½ ft., narrow leaves, dark green, well rooted, moderate to hear suckering, fair fodder considering earliness, prolific.	od oz. d. to
GILL'S GOLDEN EARLY MARKET Same as GOLDEN EARLY MARKET.	
<ul> <li>GOLDEN BANTAM</li></ul>	ht er- ni-
GOLDEN COLONEL ALL-AMERICA SELECTION SM 1936	oe, or.
GOLDEN EARLY MARKET (EARLY GOLDEN MARKET, GILL'S GOLDEN EARLY MARKET)  Ears: 6-7½", slightly tapered to tapered, 10-16 rowed, straight rowed, more erately filled tips, fair husk covering; husked ears average 6 oz.  Kernels: Light to medium yellow, medium to broad, shallow to medium dept fair to good flavor, fair to good quality. Large eared early market corn. Plants: 5½-6½ ft., medium breadth leaves, medium dark green, fairly we rooted, few suckers, susceptible to Fusarium, Diplodia and smut in mediumid corn regions.	ys d- h,
GOLDEN EVERGREEN Same as BANTAM EVERGREEN.	
GOLDEN GIANT	os, oz. or,

<ul> <li>Ears: 6-7½", 10-14 rows, cylindrical to slightly tapered, mostly cylindrical straight rowed, well filled tips, fairly well covered, more susceptible to Fusarium, wilt, smut and Diplodia than EARLY YELLOW SENSATION; husked ears average 5½ oz.</li> <li>Kernels: Light to medium yellow, medium breadth and medium depth, vertender and flavorful.</li> <li>Plants: 5-5½ ft., medium to dark green, moderately heavy, fairly stiff stalked few suckers.</li> </ul>
Ears: 6-7", 10-14 rows, cylindrical to slightly tapered, well filled tips, straigh rowed, fairly well covered; husked ears average 63/4 oz.  Kernels: Medium to dark yellow, medium breadth and medium depth, fairly tender, sweet, good flavored.  Plants: 5-6 ft., dark green, fairly stiff stalked, will develop one or two suckers on fertile soils.
Ears: Early selection from GOLDEN EARLY MARKET and similar to that variety but ears $5\frac{1}{2}$ -7" with husked ears averaging $5\frac{1}{2}$ oz.  Kernels: Same type as GOLDEN EARLY MARKET.  Plants: $4\frac{1}{2}$ - $5\frac{1}{2}$ ft., GOLDEN EARLY MARKET type, especially susceptible to Fusarium and smut, will produce many barren stalks on low fertility levels.
Ears: 5-6½", cylindrical to slightly tapered, 10-16 rows, straight rowed usually, mostly well filled tips, good husk coverage; husked ears average 4½ oz. Kernels: Small, variable yellow, mostly dark yellow or orange tinged, narrow to medium breadth, shallow to deep, fair flavor, fair quality. Being pseudostarchy this variety germinates well early in the spring for a first early crop. Plants: 4½-6 ft., variable height depending on fertility level, narrow leaves, very dark green, good roots, moderate suckers.
WHIPPLE'S EARLY YELLOW  Ears: 6½-8", 12-16 rows, slightly tapered to tapered, usually well filled tips, mostly straight rowed, heavy long husk covering; husked ears average 7 oz. Kernels: Medium yellow, narrow to medium breadth and medium depth to deep, more variable kernel type than most varieties, good flavor, but variable tenderness.  Plants: 5-6½ ft., medium green, very heavy stalk, mostly stiff stalked, few suckers.
OPEN POLLINATED VARIETIES
WHITE
BLACK MEXICAN

Kernels: Snowy white, broad, shallow to medium depth, excellent flavor, usually excellent quality. Characterized by blue black aleurone which starts to develop in milk stage from micropyle over crown and down sides giving kernels blue black or purple appearance in dry seed stage.

Plants: 5-6 ft., narrow leaves, dark green, well rooted, may be heavily suckered,

thrifty, vigorous, prolific, drought and heat tolerant.

Kernels: Creamy or ivory white, very narrow, very deep, slender shoepeg shaped, good flavor, usually tender, best open pollinated variety in conditions of extreme heat or drought; used mostly in whole grain pack, but also in

cream style and frozen packs.

Plants: 7-8 ft., narrow leaved, usually dark green, slender stalk, fairly well rooted, very leafy fodder, usually few suckers.

#### **DEEP GRAINED STOWELLS** See STOWELLS, DEEP GRAINED.

Kernels: Creamy white, medium to broad, medium depth, good flavor, fair

to good quality.

Plants:  $4\frac{1}{2}-5\frac{1}{2}$  ft., medium breadth leaves, medium to dark green, well rooted, few suckers, fair fodder development, shows some heat and drouth tolerance.

Kernels: Snowy white, medium breadth, medium depth, uniform for variety,

fair to good flavor, good quality.

Plants: 41/2-5 ft., narrow leaves, medium dark green, fair roots, susceptible to *Fusarium* and smut when grown out of the Northern corn areas, moderate to heavy suckering, fair fodder yield; stands drought better than humid weather.

Ears:  $6\frac{1}{2}$ - $8\frac{1}{2}$ ", 12-16 rows, cylindrical to slightly tapered, straight rowed, moderately filled tips, fair to good husk covering; husked ears average  $9\frac{1}{4}$  oz.

Kernels: Snowy or chalky white, broad, medium deep, type is fairly uniform, good flavor, tender under favorable conditions of growth; used for cream style pack.

Plants:  $7\frac{1}{2}$ -9 ft., medium to dark green, broad leaved, usually stiff stalked,

occasional suckers, heavy stalk.

EARLY WHITE MARKET Same as GILL'S WHITE MARKET.

well filled tips, fair husk coverage; husked ears average 6½ oz.

Kernels: Dull white, medium breadth, shallow to medium depth, fair to good quality; used as early market or home garden corn.

Plants: 4-5 ft., medium breadth leaves, medium green, fairly well rooted, moderate suckering, fair to poor fodder yield.

Kernels: Creamy white, broad, medium deep, good flavor, usually tender; used

for cream style pack.

Plants: 7½-8½ ft., medium to dark green, broad leaved, heavy foliage, heavy stiff stalks, occasional suckers.

#### LATE MAMMOTH Same as LONG ISLAND BEAUTY.

Ears: 7½-10", large, cylindrical to slightly tapered, 10-18 rows, straight rowed, moderately well filled tips, large cobbed, heavy husked; husked ears average 12½ oz.

Kernels: Creamy white, variable breadth, shallow to medium depth, fair flavor, variable quality from fair to excellent; used as large eared, late market corn. Practically all stocks show distinct mixture of kernel types when seen on dry

ears.

Plants: 8-9½ ft., medium to broad leaves, dark green, moderately well rooted, occasional suckers, heavy yield of fodder.

# MAMMOTH SUGAR Same as LONG ISLAND BEAUTY.

Kernels: Creamy or ivory white, narrow, very deep, very uniform type, good flavor, usually tender; used for both cream style and whole kernel pack as

well as freezing.

Plants: 7½-9 ft., medium breadth to narrow leaved, dark green, medium stalk, fairly well rooted, occasional suckers, make good fodder.

Ears: 7½-9½", 14-18 rows, cylindrical to slightly tapered ears, straight rowed, fairly well filled tips, good to excellent and heavy husk covering; husked ears average 10½ oz.

Kernels: Creamy or ivory white, medium breadth, deep to very deep, distinctive semi-pointed crown in edible stage which becomes characteristic beak in dry seed, good flavor, fairly tender; used in cream style and whole grain

pack and also for freezing.

Plants: 8-9½ ft., medium to broad leaved, medium to dark green, heavy stiff stalk, well rooted, few suckers, heavy yield of rather coarse fodder.

VANGUARD Same as IMPROVED HOWLING MOB.
WHIPPLE'S EARLY WHITE
rooted, moderate suckering, heavy yield of fodder for season.
WHITE EARLY MARKET Same as GILL'S WHITE MARKET.
WHITE EVERGREEN
GARDEN CORN
Zea mays var. dentata
WHITE
BLAND'S EXTRA EARLY
<b>EARLY BURLINGTON</b> Same as EXTRA EARLY ADAMS.
EXTRA EARLY ADAMS (EARLY BURLINGTON) 70-72 days Ears: $6\frac{1}{2}$ - $7\frac{1}{2}$ ", slightly tapered, 10-14 rows, straight rowed, well filled tips, heavy husk coverage.  Kernels: Snow white, medium breadth and depth, fair flavor in prime milk, fair to good quality.  Plants: $4\frac{1}{2}$ - $5\frac{1}{2}$ ft., medium to broad leaved, medium green, stocky, well rooted with extensive root system, rarely suckered, fair fodder yield.
IDEAL Same as LARGE EARLY ADAMS.
LARGE EARLY ADAMS (IDEAL)

NORFOLK MARKET
Kernels: Creamy white, medium breadth, medium depth to deep, fair to good flavor, fair to good quality.
Plants: 7-8½ ft., narrow to medium breadth leaves, medium dark green, usually well rooted, fair to good fodder.
Ears: 8-9", cylindrical, 12-16 rows, straight rowed, very well filled tips, fairly good husk coverage.  Kernels: Snowy white, medium breadth, medium depth to deep, fair to good flavor, fair quality.  Plants: 8-9 ft., medium to broad leaves, dark green, well rooted, rarely suckered; good at high altitudes and thrifty on low fertility levels, shows some drouth tolerance.
TRUCKER'S FAVORITE
ups, good husk coverage.
Kernels: Ivory white, medium breadth, medium depth to deep, good flavor, fairly good quality; one of the leading roasting ear varieties.  Plants: 8-9 ft., many broad leaved, dark green, usually well rooted, occasionally suckered, vigorous, thrifty.
POP CORN
Zea mays var. everta
AUSTRALIAN HULLESS Same as JAPANESE HULLESS.
BIG BUSTER Same as SOUTH AMERICAN.
Pearl type purple kernelled; medium sized ears; 10-14 rows; good popper, fair yielder.
DYNAMITE Same as SOUTH AMERICAN.
GIANT YELLOW Same as SOUTH AMERICAN.
GOLDEN HULLESS
GOLDEN MUSHROOM Same as SOUTH AMERICAN.
GOLDEN QUEEN Same as QUEEN'S GOLDEN.
White, pointed, fine kernelled; short chunky ears oftentimes "bear clawed" or fasciated at tip, usually 18 or more rows of kernels, many times broken rowed; highest popping volume of any variety giving very sweet and tender popped kernels.
JUMBO Same as SOUTH AMERICAN.

**SOUTH AMERICAN (BIG BUSTER, GIANT YELLOW, TNT, JUMBO, DYNAMITE, GOLDEN MUSHROOM, SOUTH AMERICAN MUSHROOM)**. 95-100 days This variety of thick hulled flint corn from South America is at present the most popular variety because of heavy yield, wide adaptation and giant sized popped kernels. Dark yellow, pearl kernelled, long, slender, large, straight rowed ears with 14-18 rows; large, vigorous, dark green plant; fair to good popper.

**SOUTH AMERICAN MUSHROOM** Same as SOUTH AMERICAN.

T N T Same as SOUTH AMERICAN.

# CORN SALAD

Valerianella olitoria

Large, rounded thick leaves of silvery green color, forming rosette growth; used as substitute for Lettuce in salads or may be cooked like Spinach.

# CRESS

**BROAD LEAVED** Same as UPLAND.

PEPPER GRASS Same as CURLED.

**SPRING** Same as UPLAND.

**UPLAND (SPRING, BROAD LEAVED)** Barbarea verna . . . . 45-50 days Dwarf plant producing small, notched, oval shaped leaves about 2" long. Very mild flavor. Used in salads.

WATER Roripa naturtium aquatica

Hardy, perennial aquatic plant producing small thick bright green leaves on long, slender stem. Prized for salads and garnishing because of sharp, pungent flavor.

# CUCUMBER

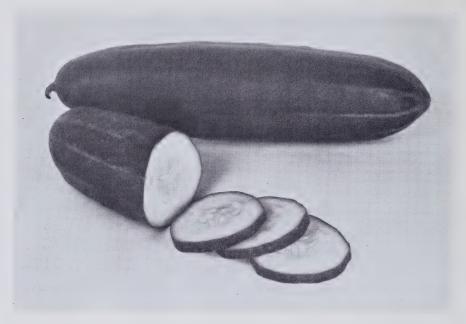
Cucumis sativus

## **BLACK SPINED VARIETIES**

BOSTON PICKLING (GREEN PROLIFIC)	day: ghtly
CHICAGO PICKLING (WESTERFIELD)	ddĺe
Fruits: 2½-2¾ x 5-5¾" when mature for seed; pickles are medium gr cylindrical, square at both ends; produces uniform set early and is pop for early slicing as well as for pickling.	een.
Fruits: 2-2½ x 5½-6", short oval, rounded to almost square ends, cross sec varies from triangular to almost round; medium dark green with light g at tip, medium large cavity and medium thick flesh, fair to good quality.	reen
Fruits: 1½-2 x 3-4", short oval shape rounded at both ends, cross section cular, medium light green with light tip; large cavity with thin to med flesh; used for pickling because of earliness and prolificacy.	cir-
EARLY SHORT GREEN Same as EARLY FRAME.	
GREEN PROLIFIC Same as BOSTON PICKLING.	
IMPROVED LONG GREEN (LONDON)	ptĺy lark l to
JAPANESE CLIMBING	sec-
JERSEY PICKLING	łays htly
Fruits: 2-2½ x 3-3½", triangular to quadrangular with square ends, distinct bright yellow color all during development of fruit, large seed cavity, fluor too thick. Considered very good for slicing and salads. Also used pickles.	tive
LONDON Same as improved long green.	

NATIONAL PICKLING
<b>SNOW'S PICKLING</b>
WHITE WONDER
WHITE SPINED VARIETIES
A & C (COLORADO) ALL-AMERICA AL SELECTION SM 1935
Fruits: $2\frac{1}{4}$ - $2\frac{3}{4}$ x 9-11", rounded at ends, dark green with trace of light green around blossom scar, almost round in cross section; very small seed cavity, firm, crisp flesh; holds color making this a remarkable marketing and shipping strain.
ALWAYS GREEN Same as STAYS GREEN.
ARLINGTON WHITE SPINE Same as IMPROVED WHITE SPINE.
BLACK DIAMOND Same as STAYS GREEN.
BURR GHERKIN Same as WEST INDIA.
<b>CHINESE LONG (JUMBO)</b>
Fruits: 2½-3 x 9-10", rounded or abruptly tapered ends; dark green with medium green near tip end, relatively free of striping; medium sized seed cavity, firm fleshed; holds color fairly well, making good market type.

COLORADO See A & C



#### WOODRUFF'S ACE CUCUMBER

toward both ends, cross section bulging triangular, color dark green with prominent light green stripes at tip, good quality. Old strain and parent of many present day varieties. EARLIEST OF ALL Fruits:  $2\frac{1}{2}$ - $2\frac{3}{4}$  x 7-8" when mature for seed; cylindrical, with short, rather abrupt taper at both ends, medium dark green, productive and fairly uniform setting; color does not hold well. Used by few for pickles, but mainly used for early shipper in South. EARLY FORTUNE . cross section, dark green with yellow green stripes near tip, medium sized seed cavity, with medium thick flesh, good quality. Fruits: 2½-3 x 10-12", long, rounded at ends, definite triangular cross section, medium green, varying to light green at tip, seed cavity medium size with moderately thick flesh.

IMPROVED WHITE SPINE (ARLINGTON WHITE SPINE) . . . . 58-62 days Fruits: 2½-2¾ x 7½-8″, medium long, carrying long, slight taper through entire length with rounded ends; cross section varies from circular at stem end to triangular at tip; medium green with distinct striping on tip one-third of length; medium to large cavity with thin to medium flesh; good flavor and quality. One of oldest popular strains because of earliness and productivity.

IT STAYS GREEN Same as STAYS GREEN.

JUMBO Same as CHINESE LONG.
KIRBY Same as STAYS GREEN.
KIRBY, SPECIAL LONG STRAIN Same as STAYS GREEN, LONG STRAIN.
Fruits: 2½-3 x 7-8", cylindrical with square to rounded ends, variable circular to triangular cross section, very dark green with light green stripes at tip; medium seed cavity and medium thick flesh; good quality. Used for shipper in some sections.
Fruits: $2\frac{1}{2}$ - $2\frac{3}{4}$ x 12-16", long, cylindrical with round ends, very dark green and color held well during shipment, circular cross section, moderately thick, good quality flesh with small seed cavity. Very good shipper.
PRICKLY Same as WEST INDIA.
STAYS GREEN (ALWAYS GREEN, BLACK DIAMOND, KIRBY, IT STAYS GREEN)
STAYS GREEN, LONG STRAIN (KIRBY, SPECIAL LONG STRAIN) . 59-62 days Fruits: This is long fruited, darker green selection from standard STAYS GREEN, having fruits 2-2½ x 8-9" and practically no light color at tip.
Fruits: 2-2½ x 7½-8½", cylindrical, uniform, rounded blunt ends, circular cross section, dark green over entire surface, small seed cavity and medium thick to thick flesh; good quality and attractive.
VAUGHAN Same as LONGFELLOW.
WEST INDIA (BURR GHERKIN, PRICKLY) Cucumis anguria 59-62 days Fruits: 1-1½ x 1½-2" when mature; excellent pickles when used very young; mature fruits are thin fleshed and filled with seed; young pickles are pale to medium green, small, oval, very heavily spined and used for melon pickles.
WINDEMOOR WONDER Same as LONGFELLOW.
WOODRUFF'S HYBRID

# DANDELION

Taraxacum officinale

#### ACE WHITE RIBBED

Plants: Our selection from Arlington thick leaved for green or white ribbed type. Shows all plant and leaf characters of Arlington thick leaved.

#### ARLINGTON THICK LEAVED

Plants: Semi-upright, 14-18" in diameter, vigorous, glossy dark green, very leafy and productive.

Leaves: Large, broad, partially toothed, thick and easily blanched, giving fairly tender greens.

#### COMMON FRENCH

Plants: Sprawling, 15-20" in diameter, prolific, medium dark green. Leaves: Long, broad, only partially toothed, thin to medium thick.

#### DILL

#### Anethum graveolens

#### COMMON

Plants: 1½-2 ft. tall, cut leaves similar to LONG ISLAND MAMMOTH. Not as vigorous or as prolific as LONG ISLAND MAMMOTH.

Seed: Same as LONG ISLAND MAMMOTH.

#### LONG ISLAND MAMMOTH

Plants: 2-2½ ft. tall, extremely cut leaves, making leaves composed only of skeletal tissue.

Seed: Very flat, brown, with strong, bitter flavor; borne in umbels which branch from entire plant; used as flavoring in pickles.

# EGG PLANT

# Solanum melongena

Plants: 24-30", erect, compact, large leaved; bear 4 to 6 fruit. Fruits: Very dark purple, globular to blunt egg shaped, smooth, glossy, fairly uniform; have good retention of color after picking.
Plants: 20-24", semi-erect, branching, chiefly used as early market type, bear 5 to 7 fruits; medium sized clustered leaves.  Fruits: Dark purple to dark bluish purple, long, slender pyriform, fairly smooth, good quality.

Plants: 30-40" tall, very erect, heavy stemmed, holding fruit well above ground, long obovate leaf; bear 2 to 6 fruits.

Fruits: Dark purple, elongated egg shape tapering gradually to stem end, smooth, not too uniform in color or size; good shipping variety.

# Plants: 30-36", erect, strong stemmed, fruits borne well above ground; productive over long period and very vigorous, being highly resistant to disease; bear 4 to 6 fruits.

Fruits: Intense purple black, long egg shape without neck, smooth, very glossy; excellent type for shipping from South.

IMPROVED LONG PURPLE Same as NEW YORK SPINELESS.
MANATEE SPECIAL
Plants: Earliest strain; developed by Prof. J. R. Hepler of the New Hampshire Station, 12-16" tall, spreading, heavily branched, medium sized leaves; bear 5 to 8 fruits; very productive.  Fruits: Dark purple, blocky egg shape, smooth, glossy, uniform producer; excellent Northern variety for home garden or local market.
<b>NEW YORK SPINELESS (IMPROVED LONG PURPLE)</b> 85-90 days Plants: 30-36" tall, large, erect, compact, branched, large leaved, bear 4 to 6 fruits. Fruits: Deep purple, broad oval to blunt egg shape, smooth, uniform, very good quality; leading home garden and market type.
ENDIVE
Cichorium endivia
Plants: large, leaves broad, partially curled, compact head, blanches easily. More vigorous, earlier and more uniform strain than old BROAD LEAVED BATAVIAN.
GREEN CURLED GREEN RIBBED Same as RUFFEC.
GREEN CURLED RED RIBBED (PANCALIER)
PANCALIER Same as GREEN CURLED RED RIBBED.
<b>RUFFEC (GREEN CURLED GREEN RIBBED)</b>
WHITE CURLED
FFAINIFI

#### FENNEL

Foeniculum dulce

### FLORENCE (ITALIAN, FINNOCHIO)

Plants 28-32" tall; compact, flattened and folded leaf petioles form celery-like bunch above a bulb-like enlargement at base of petioles which is used as celery or for seasoning soups; sweet, anise flavored.

# HERBS

# CULINARY, MEDICINAL AND AROMATIC

AAnnual B-Biennial P-Perennial
Herbs are the oldest continually grown group of cultivated plants and a again becoming popular in home gardens. The following list gives some of those which are more popular in this country and is by no means a complete list. We have drawn freely from the following reference material in compiling this group of modern herbs: Clarkson, Rosetta E. 1939. Magic Gardens. XVIII + 370 pp Macmillan Co., New York, N. Y. and from Kamm, Minnie Watson. 1938. Old Time Herbs for Modern Gardens. XI + 256 pp. Little, Brown and Co., Boston, Masser March 1938.
ANGELICA Angelica archangelica
ANISE Pimpinella anisum
BALM or LEMON BALM Melissa officinalis
Purple flowered plants 12-18" tall; light yellow green, clove flavored, highly aromatic foliage is excellent for seasoning omelets or soups and as garnish for salads; oil used in perfumes; this is popular BASILICO NAPOLITANO of the Italians.
BASIL, ITALIAN Ocimum crispum
BOHNENKRAUT See SUMMER SAVORY.
BORAGE Borago officinalis
<b>BURNET</b> Poterium sanguisorba
Carrot like foliage grows 18-24" tall in second year bearing white flowers and seed in umbels; seed used for seasoning bread, confectionery, condiments and meats as well as for volatile oils.

<b>CATNIP or CATMINT</b> Nepeta cataria
<b>CHAMOMILE, GERMAN</b> <i>Matricaria chamomilla</i>
<b>CHAMOMILE, TRUE or ROMAN</b> Anthemis nobilis
CLARY Salvia sclarea
<b>CORIANDER</b> Coriandrum sativum
<b>CUMIN</b> Cuminum cyminum
<b>HOREHOUND</b> Marrubium vulgare
<b>HYSSOP</b> Hyssopus officinalis
<b>LAVENDER, SPIKE</b> Lavendula spica
<b>LAVENDER, TRUE</b> Lavendula vera
Attractive tall plant suitable for shady border; young stems blanched and used in confectionery with flavor resembling celery.
MARJORAM, SWEET or KNOTTED Origanum marjorana

MUGWORT Artemisia vulgaris
OLD FASHIONED MINT See SPEARMINT.
PENNYROYAL, ENGLISH Mentha pulegium
PENNYROYAL, AMERICAN Hedeoma pulegioides
PURSLANE Portulaca saxifraga
<b>RAMPION</b> Campanula rapunculus
ROQUETTE Barbarea vulgaris
<b>ROSEMARY</b> Rosemarinus officinalis
RUE Ruta graveolus
RUSSIAN TARRAGON Artemisia sacrorum
<b>SAFFRON, AMERICAN or SAFFLOWER</b> Carthannus tinctorius A Plants 1½-3 ft. tall, erect, branched, woody stemmed, profusely flowering with orange yellow thistle-like blossoms which are used for silk dyes, cosmetics, and food coloring; oil pressed from seed used like olive oil; leaves used for flavoring.
SAGE, BROAD LEAF Salvia officinalis
<b>SPEARMINT or OLD FASHIONED MINT</b> <i>Mentha viridis</i>

<b>SUMMER SAVORY or BOHNENKRAUT</b> Satureia hortensis A Hardy plants 10-18" tall, bushy, small leaved, tiny purple and white blossoms, decorative border plant; entire plant aromatic and when dried is used for seasoning dressings, soups, salads and teas.
<b>SWEET FENNEL</b> Foeniculum vulgare
SWEET WOODRUFF (WALDMEISTER) Asperula odorata
TARRAGON, TRUE or FRENCH Artemisia dracunculus P Long narrow leaves with anise taste are used in salads or meats and for flavoring in vinegar; will not grow from seed. See also RUSSIAN TARRAGON.
<b>THYME, ENGLISH or WINTER BROAD LEAVED</b> Thymus vulgaris P Hardy plants 10-12" tall; make decorative perennial border with small lilac blue flowers; used in seasoning and flavoring omelets, soups, salads, stuffing and medicinal teas.
<b>THYME, FRENCH or COMMON or NARROW LEAVED</b> <i>Th. vulgaris</i> P Similar to ENGLISH THYME but with narrow leaved, gray green foliage and more sprawling growth.
WALDMEISTER Same as SWEET WOODRUFF.
<b>WORMWOOD</b> Artemisia absinthium
KALE
Brassica oleracea var. acephala
<b>BLUE SCOTCH</b>
DARK GREEN MOSS CURLED Same as DWARF GREEN CURLED SCOTCH.
DWARF GREEN CURLED SCOTCH (NORFOLK, DARK GREEN MOSS CURLED)
Very similar to BLUE SCOTCH but foliage is yellowish green, which may fade color on exposure to cold weather. Equally productive with BLUE SCOTCH where cold hardiness is not a factor.
DWARF SIBERIAN (PHILADELPHIA DWARF GERMAN, GERMAN SPROUTS)
Large, vigorous, sprawling plant, bearing coarse, large leaves; deep blue green.  Makes larger spread of plant than BLUE SCOTCH, but not as compact or dense leaved.

GERMAN SPROUTS Same as DWARF SIBERIAN.
NORFOLK Same as DWARF GREEN CURLED SCOTCH.
PHILADELPHIA DWARF GERMAN Same as DWARF SIBERIAN.
TALL SCOTCH
KOHL RABI Brassica caulorapa
<b>PURPLE VIENNA</b>
WHITE VIENNA
LEEK
Allium porrum
AMERICAN FLAG (LONDON FLAG)
<b>CARENTAN (MONSTROUS CARENTAN)</b>
GIANT MUSSELBURG Same as MUSSELBURG.
LONDON FLAG Same as AMERICAN FLAG.
MONSTROUS CARENTAN Same as CARENTAN.
MUSSELBURG (GIANT MUSSELBURG)
LETTUCE

#### LETTUCE

Lactuca sativa var. capitata

# BUTTER HEADING VARIETIES

ALL YEAR ROUND Same as TENNISBALL BLACK SEEDED.

BIG BOSTON (TROCADERO) w.s
BLACK SEEDED BIG BOSTON b.s
CALIFORNIA CREAM BUTTER b.s
CRISP AS ICE b.s
<b>HANSON IMPROVED (NONPAREIL)</b> w.s 80-83 days Heads: Large, globular, compact, light green; outer leaves yellow green, broad, thick, curled; in erior crisp, clear white, sweet. Favorite home garden and local market type.
MAY KING w.s
MIGNONETTE b.s
NONPAREIL Same as HANSON IMPROVED.
SALAMANDER Same as TENNISBALL BLACK SEEDED.
<b>TENNISBALL BLACK SEEDED (ALL YEAR ROUND, SALAMANDER)</b> . 70-73 days Heads: Medium size, round and solid; outer leaves medium green, crumpled without bronzing; interior crisp, creamy color, sweet flavor. Dependable header and popular.
TROCADERO Same as BIG BOSTON.
UNRIVALLED Same as WHITE BOSTON.
<b>WAYAHEAD</b> w.s
WHITE BOSTON (UNRIVALLED)

#### IMPERIAL OR NEW YORK TYPES

DARK ICEBERG Same as NEW YORK.
Heads: Not New York type; heads large, broad, well folded, firm, oblate to globular; outer leaves light green with wavy bronzed edges, crumpled; interior crisp, very sweet, green-tinged white. Choice home garden and local market strain showing some heat tolerance.
IMPERIAL No. 44 Same as NEW YORK NO. 44
IMPERIAL No. 152 w.s
IMPERIAL No. 615 w.s
IMPERIAL No. 847 b.s
IMPERIAL No. 850 w.s
LOS ANGELES MARKET Same as NEW YORK.
MOUNTAIN ICEBERG Same as NEW YORK.
NEW YORK (WONDERFUL, LOS ANGELES MARKET, MOUNTAIN ICEBERG, DARK ICEBERG) w.s
NEW YORK NO. 12 (NO. 12 EARLY MOUNTAIN ICEBERG) w.s 78-81 days Heads: Early, sure heading, medium large, compact, oblate to nearly round, uniform, well covered, but leaves not as long as Imperial strains; outer leaves medium size, medium green, slightly crumpled, semi-erect; interior crisp, white, thin leaved and tender; tolerant to heat. Local market strain.

NEW YORK NO. 44 (IMPERIAL NO. 44) w.s 80-83 days Heads: Medium large, hard, well formed, globular; outer-leaves medium green, tightly folded, crumpled, very large; interior good quality, very crisp, white. Valuable in South and East because of heat tolerance and resistance to tipburn; also good header on muck and peat.
NO. 12 EARLY MOUNTAIN ICEBERG Same as NEW YORK NO. 12.
WONDERFUL Same as NEW YORK.
WOODRUFF'S NEW YORK ACE b.s
Lactuca sativa var. crispa.
<b>BLACK SEEDED SIMPSON</b> b.s
BOSTON CURLED b.s
BRONZEHEAD Same as PRIZEHEAD.
CHICKEN w.s.  Plants: Tall, leafy, prolific and hardy type, used for rabbit and poultry feed; dark green and continuous leaf producer, even while flowering.
EARLY CURLED SILESIA Same as WHITE SEEDED SIMPSON.
EARLY CURLED SIMPSON Same as WHITE SEEDED SIMPSON.
<b>GRAND RAPIDS</b> b.s
PRIZEHEAD (BRONZEHEAD) w.s
white seeded simpson (EARLY CURLED SILESIA, EARLY CURLED SIMPSON) ws

## ROMAINE OR COS VARIETIES

PARIS WHITE COS (TRIANON, WHITE PARIS SELF FOLDING) w.s. . 65-70 days Heads: Similar type to DARK GREEN COS with medium to light green foliage which gives an interior of pale greenish white. Most popular variety of this type and widely used.

TRIANON Same as PARIS WHITE COS.

WHITE PARIS SELF FOLDING Same as PARIS WHITE COS.

# MUSKMELON

see under

#### CANTALOUPE AND MUSKMELON

## MUSTARD

Brassica juncea

CHINESE SMOOTH (ELEPHANT'S EAR, LARGE SMOOTH LEAF) . 50-60 days

GIANT SOUTHERN CURLED, LONG STANDING

salads, mild flavor.

Plants: 18-24" in diameter, semi-erect, very large, spreading, medium yellowish green, very productive, very slow bolting.

flattened, medium thick, tender, makes good quality greens and attractive

Leaves: Large, long, oval to slightly obovate, deeply cut edge which is ruffled and curled, surface of leaf crumpled, thin to medium thick, fairly tender, mild flavor.

KOMATSUMA Same as tendergreen.
LARGE SMOOTH LEAF Same as CHINESE SMOOTH.
MUSTARD SPINACH Same as TENDERGREEN.
OSTRICH PLUME Same as FORDHOOK FANCY.
<b>TENDERGREEN (MUSTARD SPINACH, KOMATSUMA)</b> 45-55 days Plants: 16-22" in diameter, semi-erect, rapid growing, glossy dark green, spreading, heat and drought resistant, very slow bolting.  Leaves: Large, oval, partially dentate and notched, smooth surface, slender creamy white rib prominent, very mild flavored, supposed to be "creamy mustard" flavor, medium thick and tender.
WHITE LONDON (YELLOW) Brassica alba  Plants: Quick growing tall plant which bolts early, has medium sized, dark green, pungent leaves, which may be used for salads when young. Grown chiefly for seeds, which are ground for table mustard.
YELLOW Same as WHITE LONDON.
OKRA OR GUMBO  Hibiscus esculentus
CLEMSON SPINELESS ALEMERICA MITTELETION SM 1939 50-55 days Pods: 7-9 x 1½", rich green, straight, ridged, tapered at tip, entirely spineless, good quality, very uniform.  Plants: 4-4½ ft. tall, type same as PERKINS MAMMOTH PODDED, but not as dense foliage, very prolific.
<b>DWARF LONG PODDED</b>
Pods: Developed by Dr. J. C. Miller of Louisiana Agricultural Experiment Station; 7-8 x 5/8-7/8", light green, long, slender, tapered throughout, slight fluting, spineless, very tender; well adapted to canning because of ability to hold green color and shape of rings when sliced.  Plants: 5-51/2 ft., tall, erect, pods borne close to stalks, extremely prolific, heavy yielder.
PERKINS MAMMOTH PODDED
WHITE VELVET

# NOINO

# BULBING TYPES

Allium cepa

# YELLOW VARIETIES

BOTTLE NECK Same as GOLDEN MARVEL.
BRIGHAM YELLOW GLOBE (OHIO OR MICHIGAN YELLOW GLOBE)
Bulbs: Medium large, deep globe with rounded base, solid; skin dark yellow, very tough; flesh crisp, solid, clear white to creamy. Excellent storage onion very widely used in the Midwest.
<b>DENIA</b> Same as prizetaker.
EBENEZER Same as JAPANESE.
GOLDEN GLOBE Same as GOLDEN MARVEL.
GOLDEN MARVEL (GOLDEN GLOBE, BOTTLE NECK)
JAPANESE See VICTORY.
MICHIGAN YELLOW GLOBE Same as BRIGHAM YELLOW GLOBE.
MOUNTAIN DANVERS (OREGON DANVERS)
OHIO YELLOW GLOBE Same as BRIGHAM YELLOW GLOBE.
OREGON DANVERS Same as MOUNTAIN DANVERS.
PRIZETAKER (DENIA)
SOUTHPORT YELLOW GLOBE
<b>UTAH SWEET SPANISH</b>
VALENCIA Same as YELLOW SWEET SPANISH.
VICTORY (JAPANESE, EBENEZER)

WHITE BERMUDA Same as YELLOW BERMUDA.



WOODRUFF'S EARLY YELLOW GLOBE ONION

## WHITE VARIETIES

BERMUDA CRYSTAL WAX (CRYSTAL WHITE WAX) 90-95 day Bulbs: Medium size, flat, juicy, mild, crystal white. Used for shipping, but no suitable for storage.
CRYSTAL WHITE WAX Same as BERMUDA CRYSTAL WAX.
MAMMOTH SILVER KING
SILVERSKIN Same as WHITE PORTUGAL.
SOUTHPORT WHITE GLOBE
WHITE BARLETTA
WHITE JAPANESE See WHITE VICTORY.
WHITE LISBON
WHITE PEARL Same as WHITE QUEEN.
WHITE PORTUGAL (SILVERSKIN)
WHITE QUEEN (WHITE PEARL)
WHITE SWEET SPANISH  Bulbs: Similar to YELLOW SWEET SPANISH in type, but having clear white skin, smaller neck and white flesh. Fair storage onion and largest of white varieties.
WHITE VICTORY (WHITE JAPANESE)  Bulbs: Large, semi-flat, clear white, solid fleshed, mild flavored; has stronger top than WHITE PORTUGAL.
RED VARIETIES
EARLY RED GLOBE

#### **BUNCHING TYPES**

Allium fistulosum

## EVERGREEN WHITE BUNCHING (HE-SHI-KO, NEBUKA)

Bulbless perennial which forms long, slender, leek-like, silvery white stalks used for bunching; onions produced in clusters of 4 to 9 and are twice the size of ordinary bunching onions.

**HE-SHI-KO** Same as EVERGREEN WHITE BUNCHING.

**NEBUKA** Same as EVERGREEN WHITE BUNCHING.

#### WHITE WELSH

Non-bulbing perennial producing white, slender shoots earlier in spring than set onions can be bunched; tender, mildly pungent.

# PARSLEY

Petroselinum hortense

DOUBLE CURLED Same as MOSS CURLED.

**HAMBURG PARSNIP ROOTED** *P. hortense* var. *radicosum* . . . 85-95 days Foliage like Parsley, but plants form edible roots resembling slender Parsnips in shape and color; may be stored in winter; used for flavoring soups, like Celeriac.

MOSS CURLED (DOUBLE CURLED, TRIPLE CURLED) . . . . 70-80 days Plants: Compact, 7-10" tall; foliage very dark green, with very finely cut and curled leaves; used for garnishing.

PARAMOUNT ALE-AMERICA ASSELECTION SM 1936 . . . . . . 80-90 days Plants: Very compact, 9-12" tall, foliage very dark green, very uniformly fine cut; most attractive strain available.

TRIPLE CURLED Same as MOSS CURLED.

ACE Same as WOODRUFF'S ACE.

# PARSNIP

Pastinaca sativa

Roots: 8-10" long, 2-2½" diameter at shoulder, 1½-2" diameter at throa
creamy white, tender flesh, hollow crown, small collar, fairly smooth an almost free of fibrous roots.
Tops: 16-22" tall, strong, dark green, vigorous and hardy.
CUP Same as HOLLOW CROWN.
GUERNSEY Same as HOLLOW CROWN.
HOLLOW CROWN (CUP, GUERNSEY, IDEAL, STUDENT, SUGAR)
Roots: 9-11" long, 2½-3" diameter at shoulder, 1-1¾4" diameter at throa creamy, crisp, brittle fleshed, hollow crown, medium collar, occasiona ridges with few scattered side roots.  Tops: 18-24" tall, strong, dark green, hardy.
IDEAL Same as HOLLOW CROWN.
STUDENT Same as HOLLOW CROWN.
SUGAR Same as HOLLOW CROWN.
WHITE MODEL
WOODRUFF'S ACE
PEAS
Pisum sativum
SMOOTH SEEDED VARIETIES
ALAH Similar to Alaska wilt resistant.
Pods: ½" wide, 2½-3" long, straight, pale green, plump and blunt, born singly, mature uniformly; contain 6 to 8 peas.  Peas: Small, round, bluish green, usually very uniform in appearance, 35% sieve 3, 90% sieve 2-4.  Vines: 30-33" tall, slender, leaves widely spaced, foliage pale green or light blue green.
Seed: Small round smooth medium blue or gray green

AMEER (BOUNTIFUL, CLAUDIT, MAMMOTH POD ALASKA) . 57-60 days Pods: 3-3½" long, slightly curved, medium green, plump, pointed, borne singly; contain 6 to 8 peas.

Peas: Medium size, round, light green. Vines: 30-34", fairly uniform, medium green.

Seed: Medium size, round, bluish green, slightly dimpled.

BOUNTIFUL Same as AMEER.

CLAUDIT Same as AMEER.

EARLY BIRD Same as LAXTON'S SUPERB.

## FIRST AND BEST (MORNING STAR, PEDIGREE EXTRA EARLY)

Peas: Medium size, round, light green, fair quality.

Vines: 24-30", slender, medium green, hardy, good yielder.

Seed: Medium size, round, dimpled, creamy white to greenish white.

IVY'S SPECIAL Similar to WOODRUFF'S FROST RESISTANT.

#### LARGE WHITE MARROWFAT Same as MARROWFAT, WHITE.

Pods: ½-5/8" wide, 3½-4" long, curved, light green, pointed and plump, borne singly, uniform cropper; contain 7 to 9 peas.

Peas: Medium size, round, medium green, uniform in appearance.

Vines: 19-23" tall, being dwarf of type, large leaved, stipules prominent, foliage light to medium green.

Seed: Medium size, round, seed appears to be mixture of smooth and slightly wrinkled, medium blue green.

#### MAMMOTH POD ALASKA Same as AMEER.

Pods: 3-4" long, straight, tapered slightly towards stem end, medium to light green, round, plump, blunt, borne singly; contain 6 to 7 peas.

Peas: Large, round, bright green, fair quality.

Vines: 30-36", medium dark green, dense foliage, productive.

Seed: Large, round, dimpled, cream and green.

# MARROWFAT, WHITE (LARGE WHITE MARROWFAT) Wilt resistant. 80-83 days Pods: 3-3½" long, straight, pale green, blunt, plump, borne singly and doubly;

contain 6 to 8 peas.

Peas: Large, round, very pale green, poor quality.

Vines: 54-60", vigorous, very productive, medium green. Seed: Large, round, creamy buff with yellow endosperm.

MORNING STAR Same as FIRST AND BEST.

PEDIGREE EXTRA EARLY Same as FIRST AND BEST.

WHITE MARROWFAT See MARROWFAT, WHITE.

WILLETT'S WONDER Similar to WOODRUFF'S FROST RESISTANT.



WOODRUFF'S PEAS ARE GROWN IN THE BEST SEED PRODUCING SECTIONS.

THIS FIELD IS IN MONTANA

#### WRINKLED VARIETIES

ALDERMAH Very similar to ALDERMAN.

Pods: ½-5%" wide, 4½-5½" long, dark green, straight with rounded point, plump, well filled, borne singly, matures uniformly; contain 8 to 10 peas. Peas: Large, round to round oval, dark green, excellent quality, being tender and sweet; 60% sieve 6, 90% sieve 4-6; excellent for freezing and shipping. Vines: 54-60" tall, dark green, medium heavy stem, with coarse foliage, prolific and hardy grower.

Seed: Medium size, square to drum shape, wrinkled, light green.

AMERICAN WONDER (NOTT'S EXCELSIOR) . . . . . . . 60-62 days Pods: 2½-3" long, straight, medium green, blunt, borne singly and doubly,

seeds packed tightly; contain 6 to 7 peas.

Peas: Medium size, round compressed, green, tender, flavorful.

Vines: 13-16", dark green, stocky, productive.

Seed: Medium size, squarish, green.

BENAH Similar to EVERBEARING.
BLISS EVERBEARING Same as EVERBEARING.
BLUE BANTAM Same as LAXTONIAN.
CANNER'S GEM Same as PREMIUM GEM.
CARTER'S DAISY Same as DWARF TELEPHONE.
Pods: 3-3½" long, straight to very slightly curved, light green, rounded to blunt ends, oval, not too plump, borne singly and doubly; contain 5 to 7 peas Peas: Medium size, rounded oval, light green, excellent quality, sweet, tender Vines: 48-54", medium green, heavy coarse foliage, prolific. Seed: Large, broad oval, thick, light bluish green.
DAISY Same as DWARF TELEPHONE.
DARK PODDED TELEPHONE Same as ALDERMAN.
Pods: 4-5" long, straight, medium green, plump, almost blunt, borne singly: contain 6 to 8 peas.  Peas: Similar in size and color to TELEPHONE.  Vines: Similar to TELEPHONE but usually more vigorous and coarser foliage. Seed: Very large, round, medium green.
Pods: 3-31/2" long, straight, very blunt, medium green, borne singly and doubly; contain 7 to 8 peas.  Peas: Large, round, medium green, fair quality.  Vines: 30-36", medium green, vigorous, moderately productive.  Seed: Large, round, green.
<b>DWARF DEFIANCE</b> Same as STRATAGEM, IMPROVED.
DWARF TELAH Similar to DWARF TELEPHONE.
<ul> <li>DWARF TELEPHONE (DAISY, CARTER'S DAISY) Wilt resistant . 72-75 days</li> <li>Pods: 4-41/2" long, slightly curved, light green, fairly plump, pointed, borne singly and doubly; contain 7 to 10 peas.</li> <li>Peas: Large, nearly round, light green, sweet, excellent quality.</li> <li>Vines: 22-28", light green, branching, vigorous, fairly productive.</li> <li>Seed: Large, roundish, bluish tinged green with small percentage of cream.</li> </ul>

Pods: 3/4-7/8" wide, 33/4-41/4" long, slightly curved, dark green, blunt and plump, tapered at tip, borne singly; contain 6 to 8 peas.

Peas: Large, round, medium green, tender; used by some for canning.

Vines: 22-26" tall, dark green, heavy stem, coarse foliage.

Seed: Large, wrinkled, cream and green.

EVERBEARING (BLISS EVERBEARING) Wilt resistant
doubly; contain 5 to 7 peas.  Peas: Very large, round with flattened ends, light to medium green, good quality and flavor.
Vines: 24-30" tall, dark green, stocky, coarse branching foliage. Seed: Very large, flattened, cream and bluish green with the majority cream.
Pods: 4½-5" long, straight to curved at tip, dark green, round and plump pointed, borne singly; contain 8 to 9 peas.  Peas: Large, round, dark green, good quality; very good general purpose variety Vines: 24-28" tall, dark green, heavy, compact foliage, vigorous and productive Seed: Very large, wrinkled, green.
<ul> <li>GRADUS (PROSPERITY)</li></ul>
GREEN ADMIRAH Very similar to green admiral.
Pods: 7/16-1/2" wide, 21/2-3" long, straight, medium dark green, blunt and plump, borne singly, uniformly maturing; contain 6 to 8 peas.  Peas: Medium size, round, bright green, good quality; used for canning and freezing.  Vines: 32-38" tall, dark green, slender stem, medium coarse foliage.  Seed: Small, bright green, coarsely dimpled, roundish.
Pods: 7/16-1/2" wide, 23/4-31/4" long, straight, light to medium green, blunt and plump, borne doubly; contain 6 to 8 peas.  Peas: Medium size, round, medium green, good quality; used for canning. Vines: 26-32" tall, dark green, heavy branching stem, moderate foliage, prolific. Seed: Medium size, coarsely dimpled, green, almost round.
HUNDREDFOLD  This is very similar to LAXTONIAN; under some conditions it may mature a day or two later and grow a few inches taller.
Pods: 3-31/2" long, straight, dark green, plump, blunt, fairly compactly packed, borne singly, occasionally doubly; contain 7 to 9 peas.  Peas: Large, round, dark green, good quality and flavor.  Vines: 17-22" tall, dark green, compact foliage, sturdy, vigorous and prolific. Seed: Medium large, irregularly round, cream and green like LAXTONIAN family.
IMPROVED STRATAGEM SEE STRATAGEM IMPROVED

JUNO Same as DWARF CHAMPION.
Pods: ½-¾" wide, 4½-4¾" long, slightly curved, dark green, pointed and plump, borne singly, maturity is fairly uniform; contain 7 to 8 large peas. Peas: Large, oval or elliptical cross section, medium to dark green, excellent quality and flavor; used for canning, freezing and market.  Vines: 18-21" tall, dark green, heavy stem, coarse foliage with very prominent stipules.  Seed: Large, flattened, mixture of cream seed with sprinkling of apple green, yellow endosperm, large dimples in surface.
LAXTON'S PROGRESS
Pods: 3/8-7/8" wide, 4-5" long, moderately curved, glossy dark green, pointed and fairly plump, borne singly; contain 7 to 10 large peas.  Peas: Similar in appearance to LAXTONIAN, dark green, very good quality and flavor; used for canning, freezing and market.  Vines: 16-20" tall, very prolific, similar vine appearance to LAXTONIAN, but more compact.  Seed: Similar type of mixed color to LAXTONIAN, but majority of seed are apple green in contrast to LAXTONIAN which has practically all seed cream colored.
LITTLE GEM Samé as PREMIUM GEM.
Pods: 2 <sup>3</sup> / <sub>4</sub> -3" long, straight, dark green, very plump, blunt, very tightly packed, borne singly and doubly; contain 6 to 8 peas.  Peas: Large, compressed round, dark green, exceptional quality and flavor; finest quality of all present varieties.  Vines: 15-18" tall, stocky, dark green, heavy foliage, prolific.  Seed: Medium sized, squared, medium green.
LITTLE MARVEL, IMPROVED See IMPROVED LITTLE MARVEL.
McLEAN'S GEM Same as PREMIUM GEM.
Pods: ½-5%" wide, 3-3½" long, straight, light green, blunt and plump, borned singly and doubly, good cropper; contain 5 to 7 peas. Improved type of PRINCE OF WALES, which has no skips in pods.  Peas: Large, round, medium green, fairly uniform, 20% sieve 7-8, 70% sieve 5-8; used for canning.  Vines: Almost identical with PRINCE OF WALES, but more vigorous. Seed: Large, round, with coarse dimples, medium green and cream.
MONTANA MONARCH Wilt resistant
<ul> <li>Pods: 5/8" wide, 41/2-5" long, medium green, straight, blunt, very plump, well filled, borne singly; contain 6 to 8 peas.</li> <li>Peas: Very large, round to rounded oval, medium green, tender and flavorful; useful for canning, freezing and market.</li> <li>Vines: 42-48" tall, medium green, vigorous, heavy coarse foliage.</li> <li>Seed: Very large, wrinkled, bright apple green and cream.</li> </ul>

<ul> <li>MORSE'S MARKET Wilt resistant</li></ul>
NOTT'S EXCELSIOR Same as AMERICAN WONDER.
PENIN See WISCONSIN PENIN.
Perfection, wilt resistant
PETER PAN
PIONEER
POTLATCH Same as STRATAGEM, IMPROVED.
PREMIUM GEM (CANNER'S GEM, LITTLE GEM, McLEAN'S GEM) . 62-65 day Pods: 2½-3" long, straight to slightly curved, medium green, blunt, plump almost round, borne singly and doubly; contain 6 to 7 peas. Peas: Medium large, round, medium dark green, good quality. Vines: 20-24" tall, medium green, dense vigorous foliage, hardy, very productive Seed: Medium size, drum shaped, medium green with occasional cream colored
PRIDE Wilt resistant
Very similar in all respects to ALDERMAN and quite like TELEPHONE; different stocks are only slight strain differences.

<ul> <li>PRINCE OF WALES (See MAMMOTH GREEN) Wilt resistant 74-76 days Pods: 1/2-5/8" wide, 3-31/2" long, straight, pale green, blunt and plump, borne singly and doubly, light cropper; contain 4 to 6 peas.</li> <li>Peas: Large, round, medium green, fairly uniform; 45% sieve 6, 95% sieve 4-6; used for canning.</li> <li>Vines: 36-42" tall, heavy stem, coarse foliage, medium green.</li> <li>Seed: large, round, with coarse dimples and wrinkles, medium green and cream.</li> </ul>
PRODIGIOUS Same as PRINCE EDWARD.
PROFUSION Wilt resistant
PROSPERITY Same as GRADUS.
<b>QUITE CONTENT</b>
STRATAGEM, IMPROVED (POTLATCH, DWARF DEFIANCE) 77-80 days Pods: 4-4½" long, straight, dark green, pointed, plump, borne singly and doubly; contain 7 to 10 peas.  Peas: Large, bright green, round, tender, excellent quality; used for late home garden, local market, shipping and freezing.  Vines: 24-28" tall, dark green, branching, vigorous, productive. Seed: Large, roundish, medium green.
STRATAH Very similar to stratagem, improved.
<ul> <li>SURPRISE, WILT RESISTANT</li></ul>
Pods: 3-31/2" long, straight, light green, blunt, borne singly; contain 6 to 8 peas. Peas: Large, oblong, light green, good flavor.  Vines: 20-24" tall, medium green, sturdy and productive.  Seed: Large, flattened oblong, cream and light grayish green.

Pods: 5/8-7/8" wide, 41/2-51/2" long, straight, bright medium green, plump,
tapered point at tip, borne singly; contain 8 to 10 peas.
Peas: Large, roundish oval to elliptical, dark green, excellent quality; suitable for all uses; 50% sieve 6, 90% sieve 4-6.
Vines: 42-48" tall, moderately heavy stem with profuse foliage, medium to dark
green. Seed: Large, round to egg shaped, finely wrinkled, medium green.
THOMAS LAXTON, DARK PODDED
THOMAS LAXTON, DARK PODDED
Peas: Large, roundish oval, medium dark green, very good quality; excellent for canning, freezing and market; 30% sieve 5, 93% sieve 3-6.
Vines: 33-38" tall, moderately heavy foliage, dark green. Seed: Medium size, green and cream, rounded, dimpled and wrinkled.
TOPPER, WOODRUFF'S See WOODRUFF'S TOPPER.
WISCONSIN EARLY SWEET
singly, mature uniformly; contain 6 to 7 peas.
Peas: Medium size, round, light green; excellent quality with thin skin, firm endosperm and good flavor; 40% sieve 4, 95% sieve 2-5.
Vines: 26-30" tall, medium green foliage with slender stem, plant habit is similar to SURPRISE.
Seed: Medium size, finely wrinkled, roundish, medium blue green.
<b>WISCONSIN PENIN</b> <i>Wilt resistant</i>
Pods: 5/8-3/4" wide, 3-31/2" long, straight, plump, blunt, medium green, attractive, borne singly; contain 5 to 7 peas.
Peas: Large, nearly round, medium green, uniform, good canning and home garden variety; 35% sieve 6, 80% sieve 4-6.
Vines: 24-28" tall, dark green, good yielder, fairly heavy foliage. Seed: Medium large, wrinkled, green.
WOODRUFF'S TOPPER Wilt resistant
Pods: ½" wide, 3½-4" long, dark green, straight, plump, blunt, well filled, borne mostly double, set on upper part of vine giving uniform maturity; con-
tain 6 to 8 peas.  Peas: Medium large, rounded oval, dark green, excellent flavor and quality;
good variety for canning, freezing or market.
Vines: 28-32" tall, dark green, heavy stem, heavy foliage. Seed: Large, wrinkled, green.
WORLD'S RECORD
Pods: 3/4" wide, 33/4-4" long, mostly straight, light to medium green, rounded point at tip, plump, borne singly; contain 7 to 8 peas.
Peas: Large, round to oval, intense dark green with thin skin; used for freezing and market; 40% sieve 6, 90% sieve 4-6.
Vines: 28-33" tall, medium heavy with well scattered coarse foliage, light to
medium green.

plump, borne singly and doubly; contain 8 to 10 peas. Peas: Large, round, dark green, tender, exceptionally fine flavored peas; mostly large sieve sizes; used for canning and freezing. Vines: 24-28" tall, dark green, stocky, dense foliage. Seed: Large, wrinkled, medium green and cream. **EDIBLE PODDED VARIETIES** DWARF GRAY SUGAR Wilt resistant. Pods:  $2\frac{3}{4} - 3\frac{1}{4} \times \frac{5}{8} - \frac{3}{4}$ ", curved, fairly plump, semi-pointed, light green, borne doubly, tender, excellent quality. Vines: 26-32" tall, very prolific, dark green, slender stemmed, much branched, purple blossoms. Seed: Small, dimpled, round, mottled reddish gray. DWARF WHITE SUGAR Wilt resistant Pods: 21/2-3 x 5/8-3/4", straight to slightly curved, fairly plump, semi-pointed, light green, borne singly and doubly, tender, excellent quality. Vines: 24-30" tall, slender, medium green, branching, productive, white blossomed. Seed: Small, round, dimpled, creamy. Pods: 4-41/2 x 3/4-7/8", straight, light green, blunt, flat, borne singly, good quality. Vines: 50-57" tall, light green, coarse foliage, farily vigorous and productive. Seed: Medium large, round, gray. Pods: 4-5 x 3/4-7/8", mostly straight, light green, flat, blunt to tapered tip, borne singly, stringless and fiberless, excellent quality; best of edible podded strains. Vines: 50-57" tall, light green, coarse foliage, vigorous, productive. Seed: Medium large, round, smooth, creamy white with yellow endosperm. PEPPER Capsicum frutescens HOT OR PUNGENT VARIETIES ANAHEIM CHILI Fruits: 1-11/2" diameter at shoulder, tapering to point, 6-8" long, nearly straight, pendant, flesh thicker than other "hot" varieties, deep green, changing to bright scarlet when mature. Plants: 20-24" tall, bushy, vigorous, very prolific, leafy. FINGER Same as LARGE THICK CAYENNE. HUNGARIAN WAX Fruits: 11/2-2" diameter at shoulder, 5-61/2" long, tapered, smooth, pendant, flesh thick, firm and pungent, color is clear waxy yellow, becoming bright red at maturity. Plants: 14-17" tall, erect, bushy, prolific, dark green foliage.

Fruits: Globular to flattened globe shaped, about 1" in diameter, pendant, smooth surface, solid, very pungent, glossy dark green changing to bright scarle when mature.  Plants: 26-29" tall, erect, bushy, medium coarse foliage, very prolific.
Fruits: 1-1½" diameter at shoulder, 6-8" long, inclined to be smooth and curved thicker flesh than LONG NARROW CAYENNE, twice as much flesh, not quite a pungent.  Plants: 24-30" tall, erect, leaves are longer and plant more open than LONG NARROW CAYENNE.
Fruits: ½-3¼" diameter at shoulder, 4-4½" long, very slim, tapering, char acterized by washboard corrugations below shoulder when mature, pendant very pungent, dark green changing to bright dark red when mature. Plants: 24-30" tall, very erect with bushy top, very prolific.
Fruits: 3/8-1/2" diameter, 2-21/2" long, smooth, cone shaped, thin fleshed, one of hottest peppers for pickles, upright, light or yellowish green becoming dark red when mature.  Plants: 16-20" tall, low spreading bushy growth, exceptionally prolific.
RED CLUSTER Same as RED CHILL.
Fruits: 5/16-3/8" diameter, about 1" long, similar in shape and type to RED CHILI but smaller fruited; immature fruits are green tinged yellow, becoming scarlet when mature.  Plants: 19-23" tall, erect, but upper part of plant has heavy bushy foliage tending to be spreading; probably most prolific of all commercial peppers
SWEET VARIETIES
BULLNOSE (LARGE BELL)
Fruits: 3½-4" in diameter, 4-4½" long, very blocky, mostly 4-lobed, upright, thickest flesh of all peppers, flavorful and very mild, glossy deep green becoming red at maturity.  Plants: 22-28" tall, very erect and vigorous, prolific over extended season.
Fruits: CALIFORNIA WONDER type, but smaller, uniform, productive. Plants: Small CALIFORNIA WONDER type, earlier maturing, suitable for more Northern areas.

CHINESE GIANT
FLORIDA GIANT
GOLDEN QUEEN
HARRIS EARLY GIANT
KING OF THE NORTH
LARGE BELL Same as BULLNOSE.
<b>NEAPOLITAN</b>
PERFECTION Same as PIMIENTO.
PIMIENTO (PERFECTION)
RUBY GIANT Same as WORLD BEATER.
Fruits: 2½-3" diameter at shoulder, 4½-5" long, pendant, tapered to square end, mostly 3-loculed, smooth with crumpled tips very rare; flesh medium thick to thick, mild and sweet, dark green becoming glossy dark red.  Plants: 24-30" tall, vigorous, upright, leafy, productive.
SQUASH Same as SWEET CHEESE.
CHINIVEDOOV Same as SWEET CHEESE

SWEET CHEESE (TOMATO, SQUASH, SUNNYBROOK, THURMANDALE)	
Fruits: 2½-3" diameter, 1-1¾" long, upright, oblate with square shoulder mostly smooth but occasional ridging; flesh medium thick to thick, brigh green becoming red, sweet, juicy. Home garden novelty, although often very prolific.	t
Plants: 23-28" tall, erect, usually productive, branching.	
THURMANDALE Same as sweet cheese.	
TOMATO Same as SWEET CHEESE.	
Fruits: 2-2½" diameter, 5-6" long, mostly pendant, rounded taper to tips, tips mostly square but occasionally pointed; mostly 3-loculed with few 2-loculed flesh thick to very thick, extremely sweet and juicy, medium dark green becoming bright red; very heavy fruits.  Plants: 20-26" tall, heavy and stocky, semi-spreading, very prolific. Earliest high yielding variety extant; developed by L. C. Curtis of Connecticut Station. Popular home garden and local market type.	; ; n
WOODRUFF'S COLOSSAL	
WORLD BEATER (RUBY GIANT)	
PUMPKIN  Cucurbita spp.	
BIG TOM Same as CONNECTICUT FIELD.	
CONNECTICUT FIELD (BIG TOM, JACK O'LANTERN, LARGE YELLOW)  C. pepo	

EARLY SUGAR Same as SMALL SUGAR.

## GOLDEN CUSHAW (YELLOW CUSHAW, GOLDEN WINTER CROOKNECK)

weigh 12-17 lbs., smooth, medium soft, buff color with distinct bloom. Flesh: Solid in neck, medium thick in bulbous tip, dry yellow, coarse.

GOLDEN WINTER CROOKNECK Same as GOLDEN CUSHAW.

Fruits: 16-20" long x 8-10" largest diameter, medium large, long curved pyriform shape, weigh 12-16 lbs., smooth, medium soft, cream with dark green

Flesh: Solid in neck, medium thick in bulbous tip, pale yellow, coarse and fibrous, not very dry.

JACK O'LANTERN Same as CONNECTICUT FIELD.

diameter at bulge, weigh about 12 lbs., hard, smooth surface; dark green stripe, alternated with light green.

Flesh: Dark yellow or yellow orange, fine grained, good quality; useful as

early canning type.

JONATHAN Same as WHITE CUSHAW.

JUMBO Same as KING OF THE MAMMOTHS.

## KING OF THE MAMMOTHS (POT IRON, JUMBO, or MAMMOTH CHILI

35-50 lbs., often larger, fairly smooth, wide but shallow ribbing, soft dull orange, streaked or splotched with buff.

Flesh: Thick, variable yellow to orange, coarse, moist, partially fibrous, only fair quality.

face with heavy bloom, weigh 12-15 lbs., hard shell.

Flesh: Dull orange yellow, very thick, has very little fiber, good flavor.

LARGE YELLOW Same as CONNECTICUT FIELD.

NEW ENGLAND PIE Same as SMALL SUGAR.

PIE Same as WINTER LUXURY.

POTIRON Same as KING OF THE MAMMOTHS.

SMALL SUGAR (NEW ENGLAND PIE, EARLY SUGAR) C. pepo . 115-118 days Fruits: Flattened globe, 8-9" deep x 10-12" diameter, moderately ribbed, dark orange, glossy, hard surface, productive, weigh 6-8 lbs.

Flesh: Orange yellow, thick, fine textured, dry, sweet, excellent quality.

Fruits: 12-15" long x 9-10" largest diameter, medium large, weigh 12-15 lbs pyriform or pear shaped, smooth, medium hard, cream or ivory with broad barely noticed, light green stripes.  Flesh: Very thick, moderately firm, coarse to medium texture, fair quality. Good winter storage strain.
WHITE CUSHAW (JONATHAN) C. moschata
WINTER LUXURY (PIE) C. pepo
YELLOW CUSHAW Same as GOLDEN CUSHAW.
RADISH  Raphanus sativus
BEAUTY, WOODRUFF'S See WOODRUFF'S BEAUTY.
BICOLOR
CALIFORNIA MAMMOTH WHITE Same as CELESTIAL.
CARDINAL Same as long brightest scarlet.
CAVALIER
CELESTIAL (CHINESE WHITE WINTER, CALIFORNIA MAMMOTH WHITE)
Roots: 2½-3 x 8-10", long cylindrical, square shoulder, and blunt tip with tendency to bulge in midsection; creamy white skin, with crisp, solid, snowy white, mildly pungent flesh.  Tops: Very large, coarse, cut leaf.
CHARTIER (LONG ROSE)

CHINA ROSE WINTER (SCARLET CHINA) 50-54 days Roots: 2 x 7-8", slightly pyriform, blunt, smooth, bright rose, flesh white and pungent.  Tops: Large, coarse.
CHINESE WHITE WINTER Same as CELESTIAL.
CINCINNATI MARKET (HASTINGS GLASS, LONG SCARLET SHORT TOP) 28-30 days
Roots: 5/8-7/8 x 6-7", long, slender, cylindrical, with tapering tip, fairly smooth, deep carmine; flesh white, crisp, tender.  Tops: Short to medium.
Roots: 1-1½" in diameter, globular to slight olive shape, bright crimson; flesh crisp and tender over long period.  Tops: Medium large.
EARLY SCARLET TURNIP WHITE TIPPED Same as SPARKLER WHITE TIP.
FRENCH BREAKFAST
GIANT STUTTGART Same as WHITE STUTTGART.
HALF LONG GRAY
HASTINGS GLASS Same as CINCINNATI MARKET.
Roots: ½-3/4 x 6-7", long cylindrical to long tapering, snowy white; flesh clear white and brittle.  Tops: Medium.
LADYFINGER Same as WHITE VIENNA.
Roots: Long winter type; 2-2½ x 7-10"; long cylindrical with tapered tips; skin black and roughened; flesh white, pungent, crisp and solid. Tops: Very large, coarse, cut leaf.
Roots: Earliest of long forcing type; 5/8-7/8 x 4-5", long tapering; clear scarlet skin, with touch of white at tip; crisp, tender, white flesh; stands well. Tops: Medium.
LONG ROSE Same as CHARTIER.
LONG SCARLET SHORT TOP Same as CINCINNATI MARKET.
RAPID RED Same as SAXA.

ROUND BLACK SPANISH
ROUND BLACK SPANISH, SPECIAL
SAXA (RAPID RED)
SCARLET CHINA Same as CHINA ROSE WINTER.
SCARLET GLOBE, MEDIUM TOP
SCARLET GLOBE, SHORT TOP
SPARKLER WHITE TIP (EARLY SCARLET TURNIP WHITE TIP) . 25-28 days. Roots: 1/2-5/8" diameter, globe to short top shape, scarlet skin with bottom third clear white; crisp white flesh. Tops: Small to medium.
WHITE ICICLE Same as ICICLE.
WHITE STRASBURG
WHITE STUTTGART (GIANT STUTTGART)
WHITE VIENNA (LADYFINGER)
WOODRUFF'S BEAUTY

## RHUBARB

Rheum rhaponticum

#### **MYATT'S LINNAEUS**

Produces fine flavored, large, long stalks in second early season.

#### MYATT'S VICTORIA

Vigorous growing main crop variety, producing excellent quality, thick red stalks.

# SALSIFY (VEGETABLE OYSTER)

Tragopogon perrifolius

## SORREL

Rumex acetosa

# SPINACH

Spinacia oleracea

In these descriptions the maturity dates represent approximately the days from planting seed to harvesting crop. Seed type is shown by r.s. for round seeded varieties and p.s. for prickly seeded varieties.

ARAGON Same as VIROFLAY.

ARISTOCRAT Selection of BLOOMSDALE LONG STANDING.

BLOOMSDALE BLIGHT RESISTANT Same as VIRGINIA BLIGHT RESISTANT.

Leaves: Thick, glossy, dark green, medium large, heavily savoyed and crumpled, rounded, incurved tip, tender, good quality.

RESISTANT SAVOY, fast growing early in spring.

Leaves: Medium thick, glossy dark green, medium size, less savoyed than BLOOMSDALE LONG STANDING, lanceolate leaves appearing oval because of incurved edges, moderately tender, good quality.

**DEL MONTE** Similar to NOBEL GIANT LEAVED.

**EVERBEARING** Same as NEW ZEALAND.

GAUDRY Same as NOBEL GIANT LEAVED.

GIANT FILLBASKET Similar to but not identical with NOBEL GIANT LEAVED.

GIANT THICK LEAVED Same as NOBEL GIANT LEAVED.

Plants: More erect and vigorous than LONG STANDING BLOOMSDALE, but otherwise very similar in type; very long standing type, usually holding a day or two longer than LONG STANDING BLOOMSDALE.

Leaves: Very similar in type to BLOOMSDALE LONG STANDING, glossy dark green, very thick and extremely crumpled leaf, rounded incurved tip, tender, good

quality.

Leaves: Very large, broad, arrow shaped with rounded tip, thickest of all large leaved varieties, dark green, partially crumpled.



HEAVY PACK SPINACH

HOLLANDIA (PRICKLY WINTER) ps. . . . . . . . . . . . . 43-46 days Plants: Almost flat, spreading, vigorous, open habit, bolts earlier than most long standing types. Leaves: Thin to medium thick, medium to dark green, large, broad, arrow shaped, smooth to slightly crumpled, pointed tip, tender, good quality. Used chiefly in Far West for canning and freezing. IMMERHORN Similar to but not identical with NOBEL GIANT LEAVED. Leaves: Very thick, very dark blue green, medium size, well savoyed, lightly crumpled, rounded tip, rounded oval shape, tender, crisp, excellent quality. Exceptional variety for home garden or market as late crop. Leaves: Medium sized, arrow shaped leaves with rounded tips on very long petioles, very dark glossy green, smooth, thick and tender. MATADOR Similar to but not identical with NOBEL GIANT LEAVED. MERCURY Similar to VIKING. MONSTROUS VIROFLAY Same as ROUND THICK LEAF. NEW ZEALAND (EVERBEARING) Tetragonia expansa. Not a true spinach. Large, much branched, spreading plant produces succession of small, very thick and fleshy, pointed leaves on round, fleshy stems. Leaves and tips of branches are picked for cooking like Spinach. Vigorous grower and especially heat and drought tolerant. Seed are large, horned, chocolate brown, slow germinating. NOBEL GIANT LEAVED (GIANT THICK LEAVED) ALL-AMERICA AND SELECTION than HOLLANDIA and also slower bolting. Leaves: Medium thick, medium green, very large, broad, smooth with slight crumpling, tapered to rounded tip, good quality. Best of large smooth leaved type. Similar varieties are GAUDRY, GIANT FILLBASKET, MATADOR and NORTHLAND. NORTHLAND Similar to but not identical with NOBEL GIANT LEAVED. Plants: Semi-erect, loose, not as heavy leaved as BLOOMSDALE LONG STANDING,

rapid grower in early spring; slower bolting than regular BLOOMSDALE SAVOY, but not as long standing as LONG STANDING BLOOMSDALE. Very resistant to cold and used mostly for fall planting.

Leaves: Medium thick, dark green, moderately crumpled, medium broad, tapering to point, tender, good quality.

PRESTO Similar to but not identical with HARLEM MARKET.

PRICKLY WINTER Same as HOLLANDIA.

QUEEN OF HOLLAND Similar to but not identical with NOBEL GIANT LEAVED.

RESISTO ALL-AMERICA A SELECTION HM 1937 Similar to VIKING.

# ROUND THICK LEAF (VIROFLAY, MONSTROUS VIROFLAY, ARAGON)

Plant: Spreading, flat, large, fast growing, quick bolting.

Leaves: Medium thick to thick, medium green, large, broad, arrow shaped, young leaves partially crumpled becoming smooth with age, fairly tender. Used in West and Southwest for early market and to a limited extent for canning.

**TEMPO** An improved strain of VIROFLAY.

Leaves: Very thick, glossy dark green, medium size, coarse, crumpled savoying, broad hastate or arrow shape with incurved tip and margins to give oval appearance. Not as desirable as JULIANA, by which it is being replaced.

VIKING ALL-AMERICA OFFICETION SM 1935 Similar to but not identical with HEAVY PACK.

## VIRGINIA BLIGHT RESISTANT (BLOOMSDALE BLIGHT RESISTANT)

VIROFLAY Same as ROUND THICK LEAF.

WINTER GIANT Slow growing strain of HOLLANDIA.

WINTER SUCCESS Slow growing strain of HOLLANDIA.

ZENITH Similar to but not identical with KING OF DENMARK.

# SQUASH

Cucurbita spp.

#### **BUSH OR SUMMER VARIETIES**

Cucurbita pepo.

Fruits: Same as EARLY WHITE BUSH SCALLOP, but pale green tinted when young, becoming pale buff at mature seed stage.

Flesh: Green tinted white, tender, juicy.

at stem end, similar in type to COCOZELLA, but dark greenish-black color Flesh: Greenish white, well flavored. COCOZELLA DI NAPOLI Same as COCOZELLA VEGETABLE MARROW. COCOZELLA VEGETABLE MARROW (ITALIAN VEGETABLE MARROW, ridges at stem end, alternately striped dark and light green in edible stage, becoming dark green and dull yellow at maturity. Flesh: Tender, juicy, fine flavored, white in edible stage. CONNECTICUT STRAIGHTNECK, LEMON COLOR toward stem end, square tip with prominent blossom scar, moderately warted, pale or lemon yellow color in edible stage, occasionally green tinged, becomes medium yellow in mature seed stage. While not as prolific as EARLY PROLIFIC STRAIGHTNECK, this variety yields more pounds of early fruit. Being a massed-inbred variety the plants are smaller and can be planted closer than other bush types. Developed by L. C. Curtis of the Connecticut Agricultural Experiment Station. Flesh: Creamy yellow, tender, flavorful. EARLY PROLIFIC STRAIGHTNECK ALL-AMERICA & SELECTION SM 1938 . 51-55 days Fruits: Inbred strain of GIANT STRAIGHTNECK and, like CONNECTICUT STRAIGHT-NECK, small plant, permitting thicker stand. 8-10" long x 2-21/2" largest diameter, long, slender pear shape with rounded or abruptly tapered tip, smooth or sparsely warted; light yellow in edible stage becoming deep golden yellow in mature seed stage. Flesh: Creamy yellow, excellent quality, firm. Fruits: 8-10" long x 21/2-3" largest diameter, long slim-pear shaped with curved neck, heavily warted, medium yellow in edible stage becoming dark or orange-yellow when mature for seed. Flesh: Creamy white, fairly firm, juicy in edible stage.

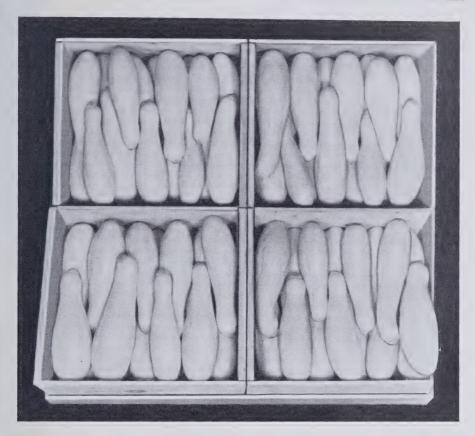
**EARLY WHITE BUSH SCALLOP (PATTY PAN)** . . . . . . 52-56 days Fruits: 2½-3" deep x 5-7" in diameter in edible stage, disk or flared-bowl shape with prominent ribbing on edge of flare which gives escalloped appearance; creamy white in edible stage becoming chalky white at mature seed stage. Flesh: Green tinged white, tender, juicy.

**EARLY YELLOW BUSH SCALLOP (YELLOW PATTY PAN)** . . . 52-56 days Fruits: Same as EARLY WHITE BUSH SCALLOP but light to medium yellow in edible stage, becoming dull, golden yellow in mature seed stage. Flesh: Creamy white, tender, juicy.

stem, faint ribbing with smooth skin, pale greenish white.

Flesh: Green tinged white, tender, very palatable. ribbing; creamy yellow in edible stage becoming buff when mature. This is the only one of SUMMER SQUASH listed which is vining in growth habit. Flesh: Creamy yellow, tender, juicy, thick in edible stage. Fruits: Larger fruited and later than EARLY SUMMER CROOKNECK but the same type; 9-12" long x 3-31/2" largest diameter at edible stage, becoming much larger at maturity. Flesh: Same as EARLY SUMMER CROOKNECK. straight instead of curved, making more desirable market type for some sections. Flesh: Same as EARLY SUMMER CROOKNECK. GOLDEN CUSTARD Same as MAMMOTH YELLOW BUSH SCALLOP. ITALIAN VEGETABLE MARROW Same as COCOZELLA VEGETABLE MARROW. Fruits: Same as EARLY WHITE BUSH SCALLOP but later and larger. Flesh: Same as EARLY WHITE BUSH SCALLOP. MAMMOTH YELLOW BUSH SCALLOP (GOLDEN CUSTARD) . . 56-60 days Fruits: Same as MAMMOTH WHITE BUSH SCALLOP, but yellow. Flesh: Same as EARLY YELLOW BUSH SCALLOP. PATTY PAN Same as EARLY WHITE BUSH SCALLOP. Fruits: Selection of EARLY WHITE BUSH SCALLOP of same general plant habit and fruit type. Selection made for deeper fruit and absence of ribbing on flange, giving fairly smooth, deep-bowl shape. Flesh: Same as EARLY WHITE BUSH SCALLOP. YANKEE HYBRID ALL-AMERICA A SELECTION BM 1941 . . . . . . 50-54 days This is a true single-cross hybrid like the hybrid corns. The parents are an inbred strain of CONNECTICUT STRAIGHTNECK and an inbred strain of EARLY PROLIFIC STRAIGHTNECK. The hybrid and the parent inbreds were all developed by L. C. Curtis of the Connecticut station. The plant and fruit characters are intermediate between the two parental types and the hybrid vigor or heterosis in this hybrid is seen not only in a little larger, more vigorous plant, but chiefly in a more prolific development of early fruits. Because of this, YANKEE HYBRID is a very valuable and distinctive contribution to gardeners who want heavy yields on the earliest market.

YELLOW PATTY PAN Same as EARLY YELLOW BUSH SCALLOP.



YANKEE HYBRID SQUASH

#### WINTER OR VINING TYPES

Cucurbita maxima

ACORN Same as TABLE QUEEN.

Flesh: Medium thick, orange yellow, very fine textured, dry, fairly good quality; stores well.

Flesh: Thick to very thick, dull orange, fine textured, moderately dry and sweet, good flavor and quality.

BOSTON MARROW
Fruits: 10-12" long, 4-5" in largest diameter, long pear shape, dull pale orange weigh 3½-5 lbs.; skin smooth and hard.  Flesh: Very thick, seed cavity only in bulbous end, very dry, ivory white, excellent flavor and quality, ideal home garden baking type.
CHICAGO WARTED HUBBARD Same as WARTED HUBBARD.
(See also GENEVA DELICATA)  Fruits: 8-10" long, 3½-4½" in diameter, weigh 2-3½ lbs.; cylindrical with narrow, shallow ribbing, alternate striping of cream and dark green, becoming cream and orange striped during storage; shell medium hard.  Flesh: Thin to medium, orange-yellow, very fine texture, crispy, dry, tender sweet, good flavor and quality; stores well.
DES MOINES Same as TABLE QUEEN.
Fruits: Same as DELICATA, but more uniform in size and shape. This is strain from single plant selection developed by W. D. Enzies, N. Y. Agricultural Experiment Station and shows high tolerance to squash borer injury, almost immunity to mosaic, more vigorous and prolific than old strains of DELICATA, producing 7-9 fruits per plant.
GOLDEN DELICIOUS
GOLDEN HUBBARD (RED HUBBARD)
GREEN DELICIOUS
COFFN HIIRRADD Same as HARROWED HARROWED

IMPROVED HUBBARD (GREEN HUBBARD) . . . . . . . 105-115 days Fruits: 12-15" long, 8-10" largest diameter, globular with taper at both ends, weigh 9-12 lbs.; dark ivy green frequently striped at tip with paler green, becomes bronzy green at maturity or during storage; skin very hard and thick, broad shallow irregular ribbing with moderately shallow warting. Flesh: Medium thick to thick, deep yellow, dry, very fine grained, sweet, crisp and tender, well flavored, good quality.

MAMMOTH CHILI Same as KING OF THE MAMMOTHS PUMPKIN.

Fruits: 7-8" long, 5-51/2" in largest diameter, weigh 2-3 lbs., large fruited strain of TABLE QUEEN which is similar in shape and color.

Flesh: Medium thick, pale orange, tender, dry, sweet, flavorful; good keeper.

RED HUBBARD Same as GOLDEN HUBBARD.

**TABLE QUEEN (DES MOINES, ACORN, YAMA)** *C. pepo* . . . 90-100 days Fruits: 5-6" long, 4-4\(\frac{1}{2}\)" largest diameter, weigh 1-1\(\frac{1}{2}\) lbs.; acorn or turbinate shape with prominent ribbing, very dark greenish black; smooth, fairly thin skin.

Flesh: Thin, pale orange to deep yellow, tender, fairly dry and sweet with good flavor. Old variety popular as individual baker; keeps fairly well.

**SWEET POTATO** Same as DELICATA.

Fruits: 8-10" long, 12-15" in diameter, weigh 14-20 lbs.; drum shaped with distinct button at blossom scar, bright reddish orange with scattered grayish striping at blossom end, button is slatey blue; shell very hard, thick and heavily warted with fine warting. This is our own highly selected strain of this popular New England variety.

Flesh: Thick at sides and blossom end, very thick at stem end, bright orange,

brittle, sweet, fairly dry, good flavor and quality.

WARTED HUBBARD (CHICAGO WARTED HUBBARD) . . . 110-120 days Fruits: 12-14" long, 10-12" largest diameter, weigh 12-15 lbs.; large fruited IMPROVED HUBBARD with heavy warting.

Flesh: Same as IMPROVED HUBBARD.

YAMA Same as TABLE QUEEN.

# TOMATO

Lycopersicon esculentum

# RED FRUITED OR YELLOW SKINNED, RED FLESHED VARIETIES

BEEFSTEAK Same as CRIMSON CUSHION.

globe with index about 0.75, small cored, solid flesh, free from circular cracking, although radial cracks are occasionally found; 5-7 locules.

Vines: Medium sized plants, medium amount of semi-erect and spreading foli-

age, giving fair coverage to fruit, medium green, productive.

Fruits: Scarlet, medium small, average 41/4-43/4 oz., smooth, uniformly globular with index about 1.00, shallow, small core, cracks under extreme variations of dry and wet weather, 4-5 locules; carries uniform ripening gene and consequently has no dark green color around stem.  Vines: Very small, determinate, fair foliage, although poor coverage because of prolific set. Of same parentage as VICTOR but not the same; developed by Dr. A. F. Yeager and Mr. Harold Mattson of the North Dakota Agricultural Experiment Station.
BREAK O'DAY
CHALK'S EARLY JEWEL
Fruits: Scarlet, medium large, average $5\frac{1}{2}$ - $6\frac{1}{2}$ oz., smooth, globular with index of about 0.88, small core, firm fleshed, free from cracking; 5-7 locules. Vines: Similar to but more vigorous than BONNY BEST. Used in South for early tomato.
CRIMSON CUSHION (BEEFSTEAK, ENORMOUS, RED PONDEROSA)
<b>DWARF STONE</b>
Fruits: Scarlet, medium size, average $4\frac{1}{2}$ - $5\frac{1}{2}$ oz., usually smooth, distinct oblate with index about 0.68, irregular and variable, medium core, fairly fleshy, very susceptible to concentric ringing and moderate amount of radial cracking, 9-12 irregular locules.  Vines: Small to medium plant, sprawling and open, with sparse to medium foliage, light green, prolific.

**ENORMOUS** Same as CRIMSON CUSHION.

Fruits: Scarlet red, medium size, average $4\sqrt[3]{4}$ - $5\sqrt[4]{2}$ oz., smooth, almost globular, with index about 0.90, small core, very firm and fleshy, practically no cracking, very uniform type, 4-5 locules.  Vines: Small to medium plant, fairly dense, giving fair coverage during early part of season when most of crop is matured, prolific.
Fruits: Deep scarlet red, medium large to large, average 6-7½ oz., distinctly flattened globe with many fruits elliptical in cross section, index about 0.70; shallow hard core immediately below stem, with fruit usually multi-loculed or developing locules in central portion of fruit under stem, solid flesh and firm fruit, free from circular cracks, but radial cracks and splitting frequently found; 6-9 locules; one of leading canning varieties.  Vines: Large, bushy, spreading, foliage not as dense as MARGLOBE nor as coarse as RUTGERS, moderate coverage; usually productive under wide variety of conditions.
GREATER BALTIMORE, INDIANA STRAIN
GROTHEN'S GLOBE
JOHN BAER
Fruits: Deep scarlet, medium large, average 6-7 oz., smooth, slightly oblate or almost globular, with index about 0.87, medium large pulpy core, very solid, free from circular cracking and radial cracks rarely found; 6-8 locules.  Vines: Large plants, vigorous, erect and bushy foliage, giving good coverage to fruits, medium green, productive.
MASTER MARGLOBE

Vines: Large plant, with coarse, dense foliage semi-erect and vigorous, giving

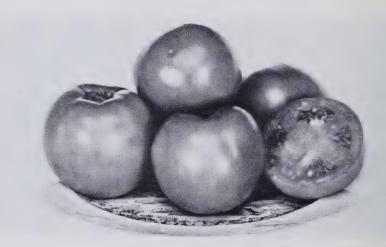
good coverage, dark green, productive.

Vines: Large, vigorous, similar to STONE. This is wilt resistant selection from

STONE made by U.S.D.A.

Vines: Similar to MARGLOBE but smaller leaved. Good coverage of medium dark green leaves. Developed by W. S. Porte of U.S.D.A. for high resistance to

nailhead rust and moderate resistance to wilt.



RUTGERS TOMATO

PRITCHARD (SCARLET TOPPER) ALL-AMERICA SCHLETION GM 1933 . 67-76 days Fruits: Medium scarlet, medium size, average 5-6 oz., smooth, almost globular and characteristically show prominent shoulder; index about 0.85, medium sized pulpy core, solid, free from cracking, milder flavor than MARGLOBE; 5-7 locules.

Vines: Distinctly bushy because of self-pruning or self-topping character; heavy stem and coarser foliage than MARGLOBE, medium dark green, very productive.

Fruits: Red, medium size, average $4\frac{1}{2}$ - $5\frac{1}{2}$ oz., smooth, deep flat globe with index about 0.85, small core, medium thick flesh with thick walls, heavy, juicy, occasionally cracks radially, 5-7 locules, fairly uniform.  Vines: Medium size plants, medium coarse foliage, fairly compact and dense, gives good coverage, usually productive in Northern areas, hardy and vigorous.
RED PONDEROSA Same as CRIMSON CUSHION.
Fruits: Deep or dark scarlet, medium large, average 6½-8 oz., deep oblate with tendency to ridging; index about 0.85, very large pulpy core of almost same intense color as outer surface of fruit; very sparse seeder with locules compressed against outer wall of fruit, very solid and firm; no circular cracking and rarely found with radial cracks; milder flavor than MARGLOBE; 6-8 locules. Vines: Heavy, vigorous, bushy growth, coarser foliage than MARGLOBE, medium dark green, very productive.
Fruits: Bright scarlet, full ripe color to stem end, smooth, globular; index about 0.85, medium sized fleshy core, thick walled, solid, rarely shows cracking; 5-7 locules.  Vines: Medium size, with spreading branches, moderately coarse open foliage which affords fair coverage; medium green, prolific.
SCARLET TOPPER Same as PRITCHARD.
SPECIAL EARLIANA
Fruits: Bright scarlet, medium size, average 5½-6 oz., smooth, almost globe shape; index about 0.90, large pulpy core, solid flesh, free from cracking; 5-7 locules. Suitable for canning in Northern areas.  Vines: Medium sized, with moderate amount of semi-erect and spreading, coarse foliage which gives fair coverage, medium green, productive.
Fruits: Scarlet, large, average 7-8 oz., smooth, irregular, flat globe with index about 0.76, medium to large core, fleshy, firm, occasionally cracks; 7-9 irregular locules.  Vines: Large plant, heavy, erect foliage, very dense giving good coverage to peak of harvest, very dark green, productive, hardy and vigorous.

with index about 1.00, small shallow core, star cracks only under extreme variations of drouth and wet weather; 4-5 locules; carries uniform ripening gene the same as BOUNTY. Vines: Small, determinate or self topping, fair foliage with poor coverage because of excessively prolific set. Related to BOUNTY and released by Dr. A. F. Yeager at Michigan station; usually little earlier than BOUNTY and heavier set of fruits. PINK FRUITED OR COLORLESS SKINNED, RED FLESHED VARIETIES about 0.80, small to medium cored, solid flesh, occasional cracking: 5-7 locules. Vines: Medium sized plants, medium amount of semi-erect spreading foliage, giving fair coverage of fruits, medium green, fairly productive. **BEAUTY** Same as LIVINGSTON'S BEAUTY. with index about 0.65, small, shallow core, very fleshy with irregular cell structure, occasional small radial cracks; 7-10 locules. Smoother, more uniform fruits than PONDEROSA. Vines: Large plant with long, indeterminate branches; medium dense foliage, semi-erect, giving good coverage under most conditions, medium gray green, fairly productive. index about 0.95, small cored, heavy firm flesh, very seldom cracked; 4-6 Vines: Medium large plant with heavy stemmed, dense, coarse leaved, determinate growth, fairly erect to give good coverage, dark green, productive. Southern shipping strain. DWARF CHAMPION (TREE) Fruits: Deep pink, medium large, average  $5\frac{1}{2}$ - $6\frac{1}{2}$  oz., fairly smooth, flat globe with index about 0.70, medium core, moderately thick and firm flesh, cracks and burns readily, but under average growth conditions is too well covered; 4-6 locules. Vines: Very distinctive, compact, dwarfed branches on heavy, erect, single stem, giving tree-like shape, dwarfed leaves, but very dense coverage, extreme dark green, sparse fruit set, easily damaged by aphis because of plant type. Fruits: Carmine, medium large, average 5½-6½ oz., fairly smooth, deep flat globe with index about 0.78, shallow medium sized core, medium fleshy, firm, fairly susceptible to radial cracking, 5-7 locules; similar to ACME but later and slightly larger. Vines: Medium size plant, medium dense foliage gives moderate coverage, medium green, fairly productive.

GLOBE Same as LIVINGSTON'S GLOBE.
Fruits: Pink to carmine, medium large, average 5-6 oz., smooth, nearly globular with index about 0.86, small core, firm, fleshy, thick walled, only occasional radial cracking, 5-8 locules. Used in Gulf States for canning and green wrap shipping.  Vines: Medium sized plant, sprawling habit with up-curved tips giving moderately dense foliage and fair coverage, retarded indeterminate growth, giving appearance of being self-topping, dark yellow green, moderately productive.
IMMENSE Same as BRIMMER.
JUNE PINK (PINK EARLIANA)
LIVINGSTON'S BEAUTY (BEAUTY, TRUCKER'S FAVORITE) 78-87 days Fruits: Pink, medium large, average 6-7 oz., fairly smooth, flat globe with index about 0.72, small to medium core, large placenta, firm fleshed, cracks very rarely; 5-9 locules.  Vines: Large plant, heavy foliage, well branched, giving good coverage, medium
green, very productive. This is an old variety noted for vigor and adaptability.
Fruits: Bright carmine, medium large, average 6-7 oz., smooth, uniformly globular, with index about 1.00, shallow core, very fleshy and solid, almost never shows cracking; 5-7 locules.  Vines: Large vigorous plant, medium dense foliage, gives fair to good coverage, fairly tolerant of heat and drought, dark yellow green, usually prolific and uniform.
Fruits: Bright pink, large, average 8-12 oz., fairly smooth, pointed ovate or "oxheart" shape, with index 1.10 to 1.40, small to medium core, very heavy flesh and placental development making very small locules pressed against outer wall; almost never cracks; 5-9 locules.  Vines: Very large plant, coarse, dense foliage, spreading, with upcurved tips giving good coverage during early harvest; medium slatey green, sparse set except on high levels of fertility. Home garden and local market type, valued chiefly for fruit size and distinctive shape.
PINK EARLIANA Same as JUNE PINK.
PONDEROSA

TREE Same as DWARF CHAMPION.

TRUCKER'S FAVORITE Same as LIVINGSTON'S BEAUTY.

#### YELLOW FRUITED VARIETIES

GOLDEN OXHEART (YELLOW OXHEART) . . . . . . . . 88-97 days Fruits: Same as OXHEART, but bright golden yellow. Vines: Same as OXHEART.

GOLDEN PONDEROSA (YELLOW PONDEROSA) . . . . . 90-100 days Fruits: Same as PONDEROSA but bright golden yellow.

Vines: Same as PONDEROSA.

GOLDEN QUEEN (TROPHY) . . . . . . . . . . . . . . . 80-89 days Fruits: Deep golden yellow, medium size, average 41/2-51/2 oz., smooth, occa-

sionally becoming russeted and pink blushed on portions of fruit exposed to sunlight, deep flat globe with index about 0.85, small core, firm, meaty, rarely cracks, mild flavored; 4-6 locules.

Vines: Medium large plant, moderately dense foliage, giving good coverage, bright medium green, prolific, fairly heat and drought tolerant.

MINGOLD ALL-AMERICA AN SELECTION SM 1940 with index about 0.90, small core, fairly solid, no cracking; 4-5 locules, very uniform. Developed at Minnesota station as early prolific yellow variety.

Vines: Medium small, semi-spreading, medium dense foliage, giving fair coverage, medium green foliage, very prolific. Excellent home garden or local market strain where yellow fruit is desired.

TROPHY Same as GOLDEN QUEEN.

YELLOW OXHEART Same as GOLDEN OXHEART.

YELLOW PONDEROSA Same as GOLDEN PONDEROSA.

#### SMALL FRUITED VARIETIES

DWARF CAPE GOOSEBERRY Same as STRAWBERRY.

GROUND CHERRY Same as STRAWBERRY.

Fruits: Italian type, deep scarlet, small size, average 2-3 oz., ovate, with almost square cross section, index 1.7 to 2.2; usually 2-loculed characterized by pepper-like placenta separate and distinct from outer wall; thick fleshed, dry, deep scarlet. Used in paste and puree.

Vines: Medium sized, more erect than other varieties, somewhat open; fruit

borne in clusters or hanks, very prolific.

Fruits: Scarlet, very small, being about cherry size, smooth globe; 2-3 locules. Used for preserving.

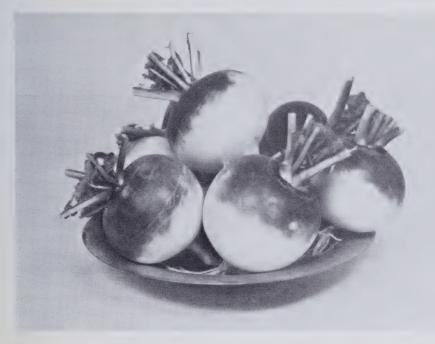
Vines: Large plant with spreading, much branched foliage, dense and dark

green, very prolific.

<b>RED PEAR</b>
Fruits: Same as RED CHERRY but larger and ovate or plum shaped. Vines: Same as RED CHERRY.
STRAWBERRY (YELLOW HUSK, GROUND CHERRY, DWARF CAPE GOOSE-BERRY) Physalis pubescens
YELLOW CHERRY
YELLOW HUSK Same as STRAWBERRY.
YELLOW PEAR
YELLOW PLUM
TURNIP
Brassica rapa
WHITE FLESHED VARIETIES
Roots: 9-12 x 2½-3", long tapered, white, light green shoulder on portion exposed above ground, fairly smooth, occasionally twisted roots, medium to large tap roots; flesh white, sweet and tender. Used chiefly for stock food but very palatable while small and young.  Tops: 18-22", medium green, erect, coarsely toothed leaves.
EARLY FLAT RED Same as PURPLE TOP STRAP LEAVED.
Roots: 1½-2 x 3½-4½", distinct flat globe, white, smooth, small tap root; flesh white, tender, fine grained, sweet. Early variety used in South for home garden and local market.  Tops: 10-14", medium green, strap leaved, erect, small collar.
EXTRA EARLY PURPLE TOP MILAN Same as PURPLE TOP MILAN.
EXTRA EARLY WHITE MILAN Same as WHITE MILAN.
JAPANESE FOLIAGE Same as SHOGOIN.

L	ARGE WHITE GLOBE Same as POMERANIAN WHITE GLOBE.
L	ONG WHITE Same as COWHORN.
N	IORFOLK Same as pomeranian white globe.
P	OMERANIAN WHITE GLOBE (LARGE WHITE GLOBE, NORFOLK) . 75-80 day Roots: 4-5½" in diameter, globe to flattened globe, white skin and flesh smooth, solid, moderately coarse textured.  Tops: 18-24", medium light green, semi-erect, cut leaved.
P	URPLE TOP MILAN (EXTRA EARLY PURPLE TOP MILAN) 40-45 day. Roots: 3-4" in diameter, very flat, white with purplish-red tops, smooth, smal tap root; flesh snow-white, tender, sweet. Excellent early home garden and forcing type.  Tops: 10-12", medium green, strap leaved, erect, small collar.
P	Roots: 3½-5" in diameter, distinctly oblate, white with purple top on portion of root above ground, smooth, small tap root; flesh is snow-white, mild flavored sweet.  Tops: 14-18", medium green, obovate strap leaved, erect, medium collar.
PI	Roots: 3½-4 x 3½-4½", globe to slightly flattened globe, clear white with purplish tinged red top, smooth, small tap root; flesh is snow white, tender and crisp; very succulent. Our strain especially developed for uniformity of maturity and type.  Tops: 12-16", medium green, notched, spiny leaves terminating in small, compact collar, which makes for erect growth.
RE	ED TOP WHITE GLOBE Same as purple top white globe.
SE	Grown as winter annual in South for greens; very prolific sprouting of leaves early in spring make rapid, tender growth and produce heavy yield of good quality foliage for food; roots are woody, tough and inedible.
SH	Roots: 2-4 x 1½-2½", medium size, oval, snowy white, mild, tender and crisp; useful as dual purpose crop for roots and greens.  Tops: 18-22" tall, bright green, strap leaved, vigorous and fast growing, heavy set of fine leaves, very erect from small collar, gives excellent quality greens; foliage partially resistant to aphids.
SN	Roots: 2½-3" in diameter, globular, uniform, ivory white, smooth, small tap root; flesh juicy, crisp, sweet, fine-grained. Used as home garden and forcing

Tops: 10-14", erect, medium yellow green, cut leaved.



PURPLE TOP WHITE GLOBE TURNIP

#### SOUTHERN PRIZE

Roots: Large, long, coarse, fleshy root used for stock feed in South, where it is able to winter over.

Tops: Used for early greens like SEVEN TOP; more vigorous and productive.

# 

Roots: 3-4 x 2½-3", ovate or egg-shaped, white, occasionally green tinged on exposed portion of shoulder, smooth, small tap root; flesh translucent white, tender, sweet.

Tops: 13-17", compact, erect, medium green, cut leaved, small collar.

## WHITE MILAN (EXTRA EARLY WHITE MILAN) . . . . . 40-45 days

Roots: Same as PURPLE TOP MILAN but clear white skin.

Tops: Same as PURPLE TOP MILAN.

WHITE SIX WEEKS Same as SNOWBALL.

WINTER GREENS Same as SEVEN TOP.

### YELLOW FLESHED VARIETIES

## AMBER GLOBE (YELLOW GLOBE, YELLOW STONE) . . . . 73-76 days

Roots: 4½-6" in diameter, globular, yellow with bronzy green top, smooth, small to medium tap root; flesh creamy yellow, medium to coarse textured, good quality. Used chiefly for stock feed, but suitable for table use when young.

Tops: 15-19", green, erect, cut leaved.

Roots: 3-4" in diameter, globular, deep yellow, smooth, small to medium tap root; flesh bright yellow, fine grained, solid, good quality. Used for home garden and local market.

ORANGE JELLY Same as GOLDEN BALL.

Tops: 16-20", medium blue green, broad, compact, coarsely toothed.

YELLOW GLOBE Same as AMBER GLOBE.

YELLOW STONE Same as AMBER GLOBE.

## RUTABAGA OR SWEDE

Brassica napobrassica

Tops: 16-20", vigorous, erect, medium blue green, smooth, cut leaved, based on medium collar; rarely necked at crown.

BREADSTONE Same as BUDLONG.

**BUDLONG (BREADSTONE, WHITE ROCK, WHITE FRENCH)** . . . 82-86 days Roots: 5-7 x 4-6", medium large, thick oval to globe shape, white with small green neck; flesh white, tasteful, fairly solid. Equally good for table use or stock feed.

Tops: 12-16", erect, blue green, smooth, cut leaved, based on small neck.

**EARLY NECKLESS** Same as GOLDEN NECKLESS.

Tops: Similar to but smaller than AMERICAN PURPLE TOP.

Roots: 6-8 x 3½-5", large, short top, deep buff with purple top; flesh is firm, tender, fine textured and light buff. Our stock specially selected for uniformity of growth, sparseness of fibrous roots, and smoothness of skin.

Tops: 16-20", vigorous, hardy, erect, blue green; smooth, partially toothed leaves based on small neckless collar.

MACOMBER Same as SWEET GERMAN.



LONG ISLAND IMPROVED RUTABAGA

**SWEET GERMAN (MACOMBER, SWEET RUSSIAN, WHITE SWEDE)** . 89-92 days Roots: 6-9 x 4½-6½", large, short, thick top shape, white with bronzed green shoulder, medium neck, flesh creamy white, solid, sweet. Used for winter storage for table use and stock feed.

Tops: 16-22", vigorous and hardy, semi-erect, dark blue green, cut leaved, based on medium neck.

SWEET RUSSIAN Same as SWEET GERMAN.

WHITE FRENCH Same as BUDLONG.

WHITE ROCK Same as BUDLONG.

WHITE SWEDE Same as SWEET GERMAN.

## WATERMELON

Citrullus vulgaris

ALABAMA SWEET (BRADFORD) . . . . . . . . . . . 85-90 days

Fruits: Good shipper, large, long, cylindrical, weigh 25-30 lbs.; thin, tough rind; medium green, with deeper green broken stripes.

Flesh: Bright red, fine textured, sweet.

Seed: Medium sized, brown mottled on creamy white background.

ARNELL GRAY Same as OWEN'S GRAY.

ARNOLD'S GRAY Same as OWEN'S GRAY.

AUGUSTA RATTLESNAKE Same as GEORGIA RATTLESNAKE.

BABY DELIGHT Same as HUNGARIAN HONEY.

BLACK DIAMOND Same as FLORIDA GIANT.

BLACK SEEDED KLONDIKE 80-85 days. Very similar to Striped Klondike but solid dark green skin color and black seeded. This variety is not wilt resistant.
BLUE RIBBON KLONDIKE Same as STRIPED KLONDIKE, Wilt Resistant.
BLUE WONDER Same as WONDER.
BRADFORD See ALABAMA SWEET.
BROWN SEEDED KLONDIKE
BURRELL'S GRAY
CANNONBALL Same as florida giant.
CITRON, COLORADO RED SEEDED
CITRON, GREEN SEEDED
COLE'S EARLY (HARRIS EARLIEST)
Fruits: Old shipping varicty; broad oval to round, weigh 25-30 lbs.; tough rind; alternate dark and light green irregular stripes. Flesh: Red, good flavor, fairly sweet. Seed: Large, black.
DIXIE BELLE Same as STONE MOUNTAIN.
DIXIE QUEEN (WHITE SEEDED CUBAN QUEEN) 82-85 days Fruits: Prolific set and good shipper; oval round with square ends, weigh 30-35 lbs.; thin, tough rind; light green with dark green stripes. Flesh: Bright red, tender, crisp, well flavored, free from fibre. Seed: Small, white.



DIXIE QUEEN WATERMELON

Flesh: Bright red, fine textured, solid, sweet, very flavorful.

Seed: Medium large, white with touch of brown on each side.

# EARLY KANSAS (KANSAS QUEEN, RUSSIAN RED SEEDED, INDIANA STRIPED)

77-80 days

Fruits: Heavy producing, good shipper, very popular in Midwest; large, nearly round, weigh 25-30 lbs.; thin, tough rind; alternate wavy stripes of light and dark green.

Flesh: Thick, bright red, free from stringiness, fine textured, high quality, very sweet.

Seed: Bright maroon when immature, changing to buff when dry.

Fruits: Good shipper; large, oblong, weigh 20-25 lbs.; tough rind; dark green Flesh: Deep red, crisp, solid, good quality. Seed: Medium size, white.
FLORIDA FAVORITE
FLOR!DA GIANT (CANNON BALL, BLACK DIAMOND) 90-95 day Fruits: Vigorous and productive, good shipper and one of best all purpose melons, although large for some markets; very large, oval to nearly round weigh 40-50 lbs.; tough, hard rind; very dark green with slatey bloom. Flesh: Bright red, firm textured, excellent quality. Seed: Large, mottled dark brown.
GARRISON
GEORGIA RATTLESNAKE (AUGUSTA RATTLESNAKE, GYPSY) . 85-90 day.  Fruits: Fair shipper; large, long, cylindrical, weigh 25-30 lbs.; hard, very tough rind; gray-green with very dark green irregular striping.  Flesh: Sparkling light red, fine textured, crisp, good flavor.  Seed: Large, cream colored with chocolate or black tips.
GRAY JACKET Same as OWEN'S GRAY.
GRAY SEEDED KLONDIKE
GRAY SHIPPER Same as HAWKESBURY.
Fruits: Very good shipper; STONE MOUNTAIN type; very large, oval round weigh 35-40 lbs.; thin, very tough rind; mottled gray green. Flesh: Bright red, very sweet, fine textured, crisp. Seed: Medium size, white.
GYPSY Same as GEORGIA RATTLESNAKE.
Fruits: Home and local market variety; large, blunt ended, cylindrical, weigh 30-35 lbs.; thin, tender rind; deep green with fine veining noticeable; similar to KLECKLEY'S SWEET. Flesh: Bright crimson, tender and fine textured, exceptional flavor. Seed: Medium sized, white with black tip.
HAPPIS' FADILECT Same as COLF'S PARILY

**HAWKESBURY (GRAY SHIPPER)** Wilt resistant . . . . . . . . . . 85-90 days Fruits: Melon of IRISH GRAY type developed by Australian Department of Agriculture; excellent shipper; large, long, tapered at both ends, weigh 30-35 lbs.; thin, very tough rind; light gray-green with fine veining of dark green. Flesh: Deep pink, good quality, fine textured. Seed: Brownish black, medium sized. green with dark green veining. Flesh: Bright red, good quality. Seed: Small, brown. ICE CREAM Same as PEERLESS. IMPROVED KLECKLEY'S SWEET Same as WONDER. INDIANA STRIPED Same as EARLY KANSAS. Fruits: Very good shipper; thrifty and prolific; large, oblong, weigh 30-35 lbs.; extremely tough, hard rind; uniform light grayish green. Flesh: Brilliant red, crisp, free from fibre, good quality. Seed: Medium sized, white. KANSAS QUEEN Same as EARLY KANSAS. **KLECKLEY'S SWEET (MONTE CRISTO)** . . . . . . . . . 80-85 days Fruits: Home garden type, not suitable for shipping; large, long, cylindrical with rounded ends, weigh 30-40 lbs.; thin, tender rind; dark bluish green. Flesh: Bright scarlet, free from fibre, good quality, extremely sweet. Seed: Creamy white with traces of brown. KLONDIKE, BLACK SEEDED See BLACK SEEDED KLONDIKE. KLONDIKE, BLUE RIBBON Same as STRIPED KLONDIKE, WILT RESISTANT. KLONDIKE, BROWN SEEDED See BROWN SEEDED KLONDIKE. KLONDIKE, GRAY SEEDED See GRAY SEEDED KLONDIKE. **KLONDIKE R 7** Wilt resistant . . . . . . . . . . . . . . . . . 80-85 days Developed by the University of California College of Agriculture and is very similar to green skinned KLONDIKE strains; tougher rind than other strains; seeds are variable colored tan to black. KLONDIKE, STRIPED, WILT RESISTANT See STRIPED KLONDIKE, WILT RESISTANT. Fruit: Developed by Dr. M. N. Walker of the Florida Experiment Station from KLECKLEY'S SWEET. Similar to KLECKLEY'S SWEET but shorter and blocky ended; tough rind, dark green, not as dark as KLECKLEY'S SWEET. Flesh: Deep pink, fine textured, very sweet.

Seed: Medium sized, white.

Fruits: Good shipper, medium sized, oval to long oval, weigh 20-25 lbs.; thin, tough rind; light green, with narrow dark green stripes. Flesh: Bright red, good quality. Seed: Medium sized, black. Fruits: Large, long, cylindrical, weigh 25-30 lbs.; thin rind; light green mottled with darker green. Flesh: Deep red, very good quality. Seed: Medium size, white. MONTE CRISTO Same as KLECKLEY'S SWEET. Fruits: Home garden and local market strain only; medium large, oval, weigh about 20 lbs.; medium thick, tender rind, dark green. Flesh: Dark scarlet, medium textured, solid, sweet. Seed: Medium sized, black. OWEN'S GRAY (ARNELL GRAY, ARNOLD'S GRAY, GRAY JACKET) 82-89 days Fruits: Good shipper popular along South Atlantic Coast and some sections of the West; medium large to large, long oval almost cylindrical, weigh about 35 lbs.; medium thick, tough rind; greenish white with fine veinings of darker green giving gray appearance; drouth tolerant, quite prolific, stands sun well. Flesh: Bright scarlet, sweet, firm, free from hard centers or stringiness. Seed: Medium sized, brownish smeared white. rind; bright green with fine dark green veining. Flesh: Bright scarlet, very good quality. Seed: Medium sized, white. about 20 lbs.; medium thick, tender rind; dark green with patchy, irregular, speckled, light green stripes; prolific, hardy. Flesh: Scarlet, medium textured, firm, flavorful. Seed: Medium sized, black tipped white. large, weigh about 20-25 lbs.; thin, tender rind; very pale green with light green veining. Flesh: Bright, light red, good quality. Seed: Medium sized, creamy white.

# RUSSIAN RED SEEDED Same as EARLY KANSAS. SCHOCKLER . . . . . . . . . . . . 95-100 days Fruits: Good shipping variety developed in Texas. Large, very long, cylindrical, weigh 40-50 lbs.; hard, tough rind; dark green with faint striping. Flesh, Dark red, fair quality, coarse grained. Seed: Large, brown. rind hard and tough; medium green with trace of veining. Flesh: Bright scarlet, tender, very sweet, large heart. Seed: Medium size, white with black tip. STRIPED KLONDIKE, WILT RESISTANT (BLUE RIBBON KLONDIKE) . 80-85 days Fruits: Wilt resistant selection released by University of California; home garden and local shipper; medium size, thick cylinder, weigh 20-25 lbs.; moderately tough rind; color like GEORGIA RATTLESNAKE. Flesh: Very dark red, fine quality, crisp, sweet. Seeds: Small, mixed black and white. ended oval, weigh 20-25 lbs.; tough, elastic rind; light green with fine dark green veining. Flesh: Bright red, crisp, good quality, sweet. Seeds: Medium sized, black. THURMOND GRAY Wilt Resistant . . . . . . . . . . . . . . . . 90-95 days Fruits: Exceptional shipper; long, large, thick, cylindrical, weigh 35-40 lbs.; very hard and tough rind; light green with mottling of darker green. Flesh: Deep red, solid, fine flavored, sweet. Seed: Medium sized, brown. TOM WATSON M WATSON . . . . . 90-95 days Fruits: Peer of shipping melons; very large, long, cylindrical, weigh 35-40 lbs.; thin, tough, elastic rind; dark green with fine veining of darker green. Flesh: Dark red, firm, moderately coarse grained, good quality. Seed: Large, brown. WHITE SEEDED CUBAN QUEEN Same as DIXIE QUEEN. WONDER (IMPROVED KLECKLEY'S SWEET, BLUE WONDER) . 80-85 days Fruits: Not suitable for shipping long distances; ideal home garden strain;

large, cylindrical, with slight ribbing, weigh 40-45 lbs.; dark glossy green

with heavy bluish bloom; rind thin and brittle. Flesh: Bright red, medium grain, sweet, large heart.

Seeds: Large, white.





↑ ROCKY FORD, COLO.

↑ DOUGLAS, WYO.

MERCEDES, TEXAS →





← INTERIOR, SACRAMENTO CALIF.



